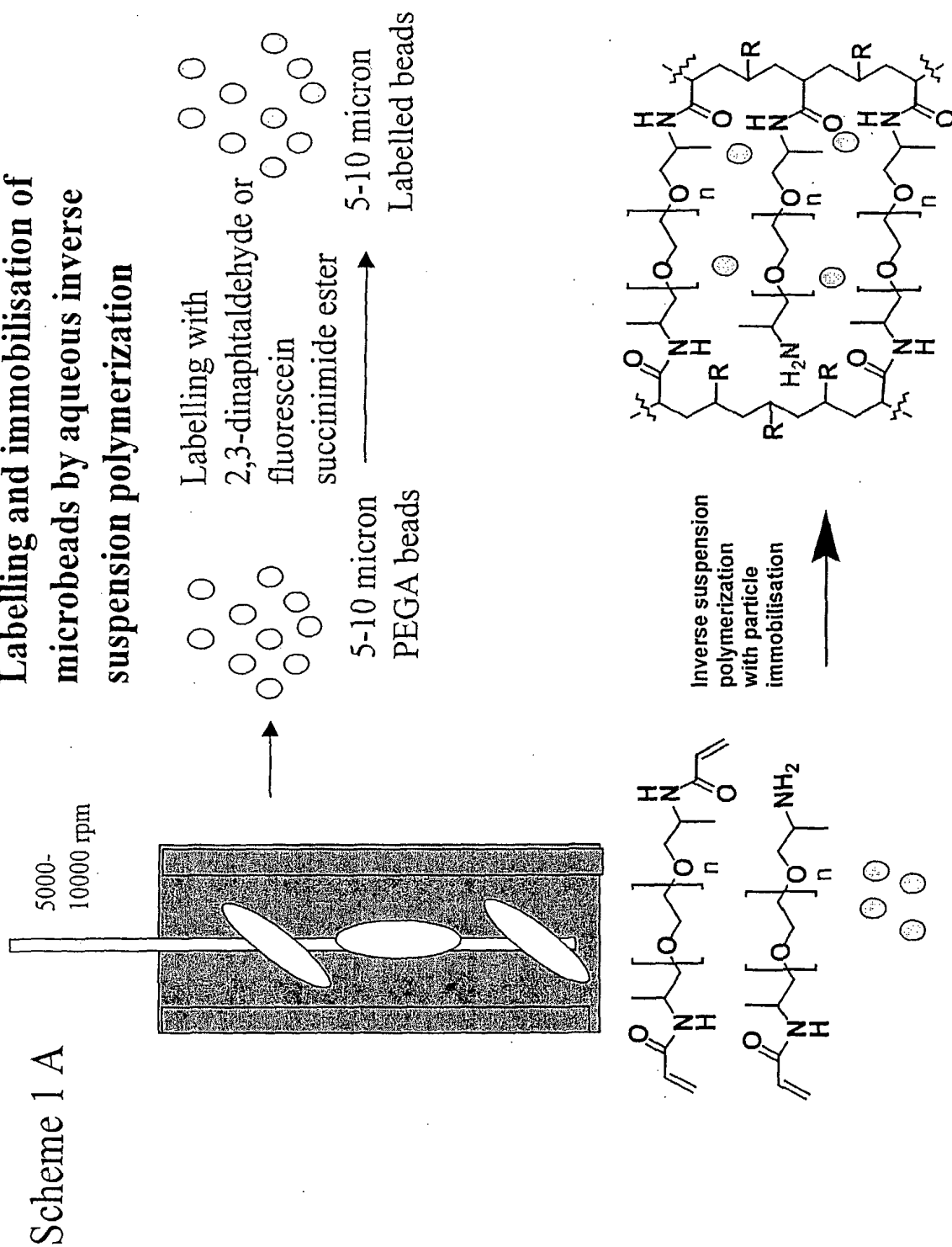
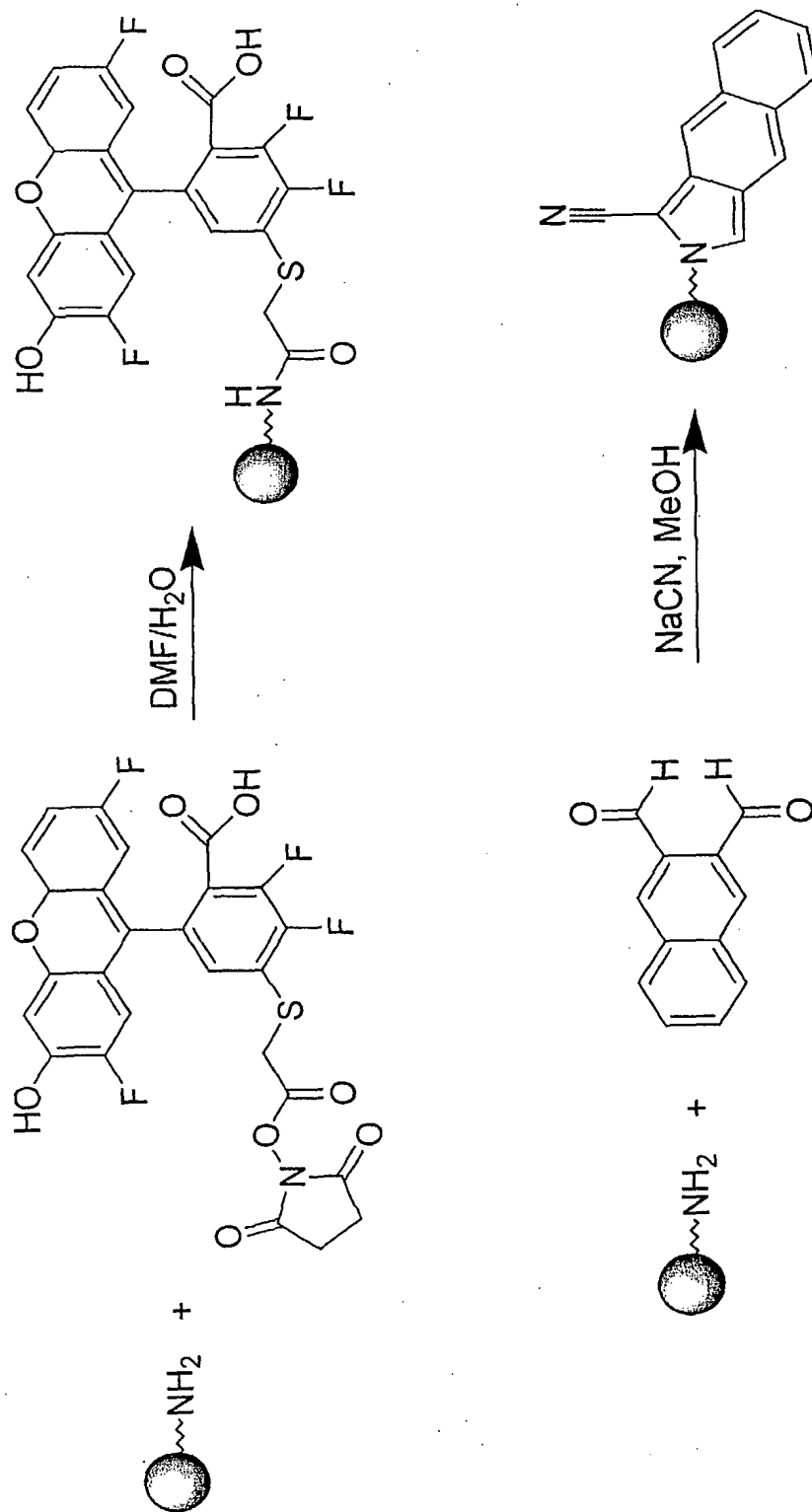


Labelling and immobilisation of microbeads by aqueous inverse suspension polymerization

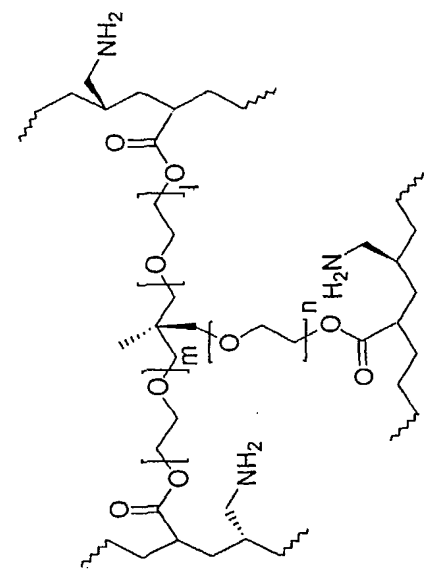


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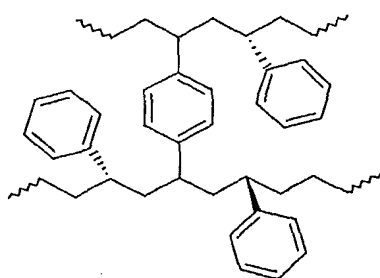
Scheme 1 B



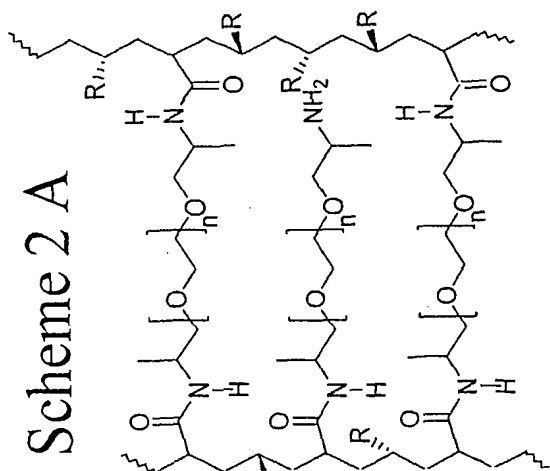
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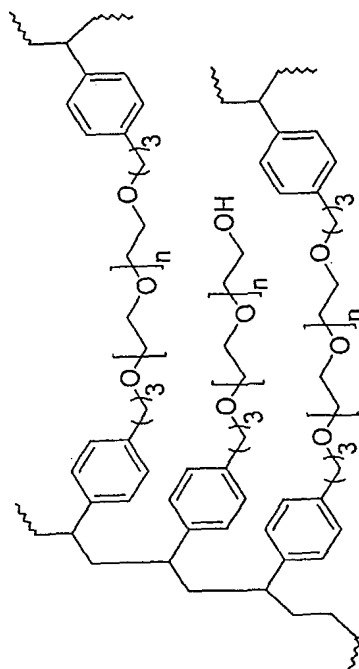
CLEAR



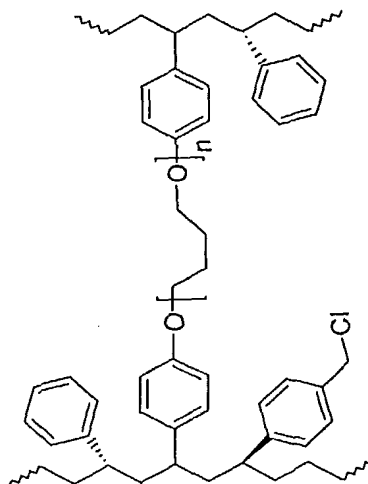
PS-DVB



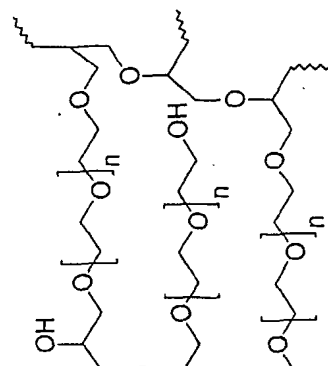
PEGA



POEPS-3



JANDAGEL



POEPOP

Scheme 2 A

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Scheme 2 B

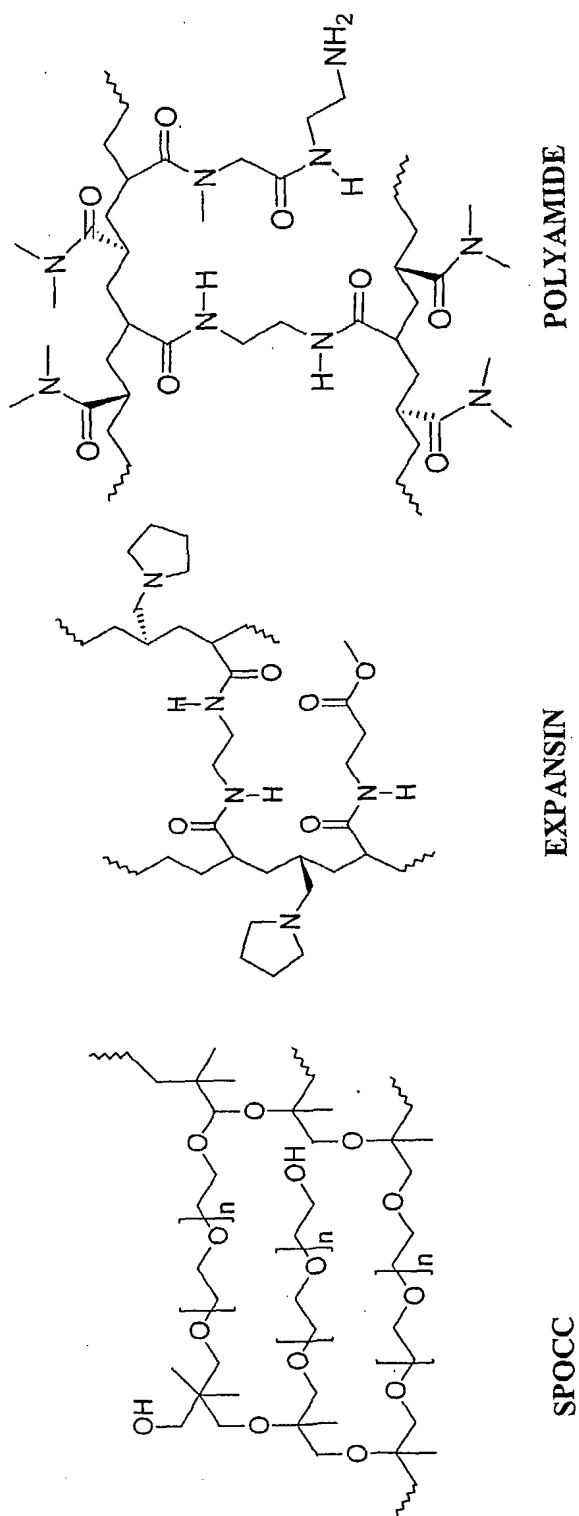
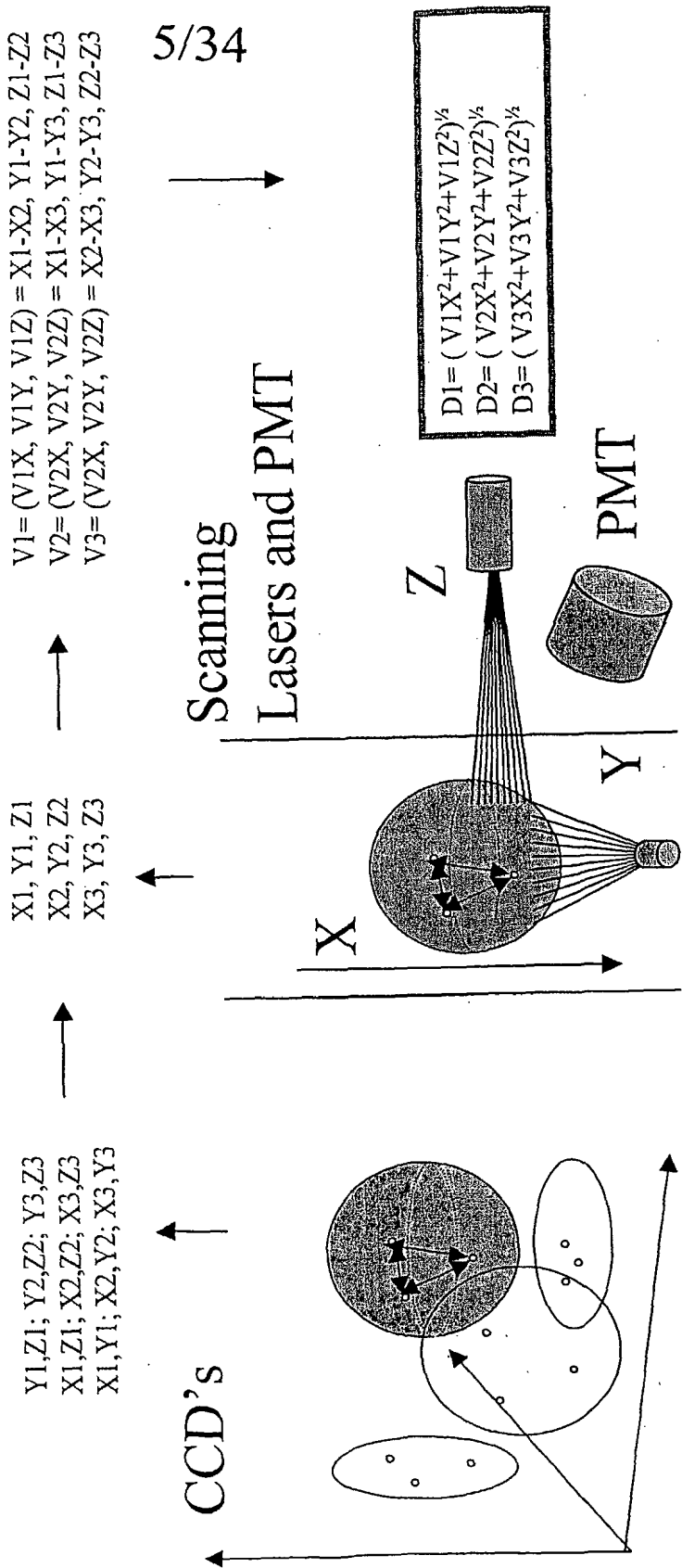


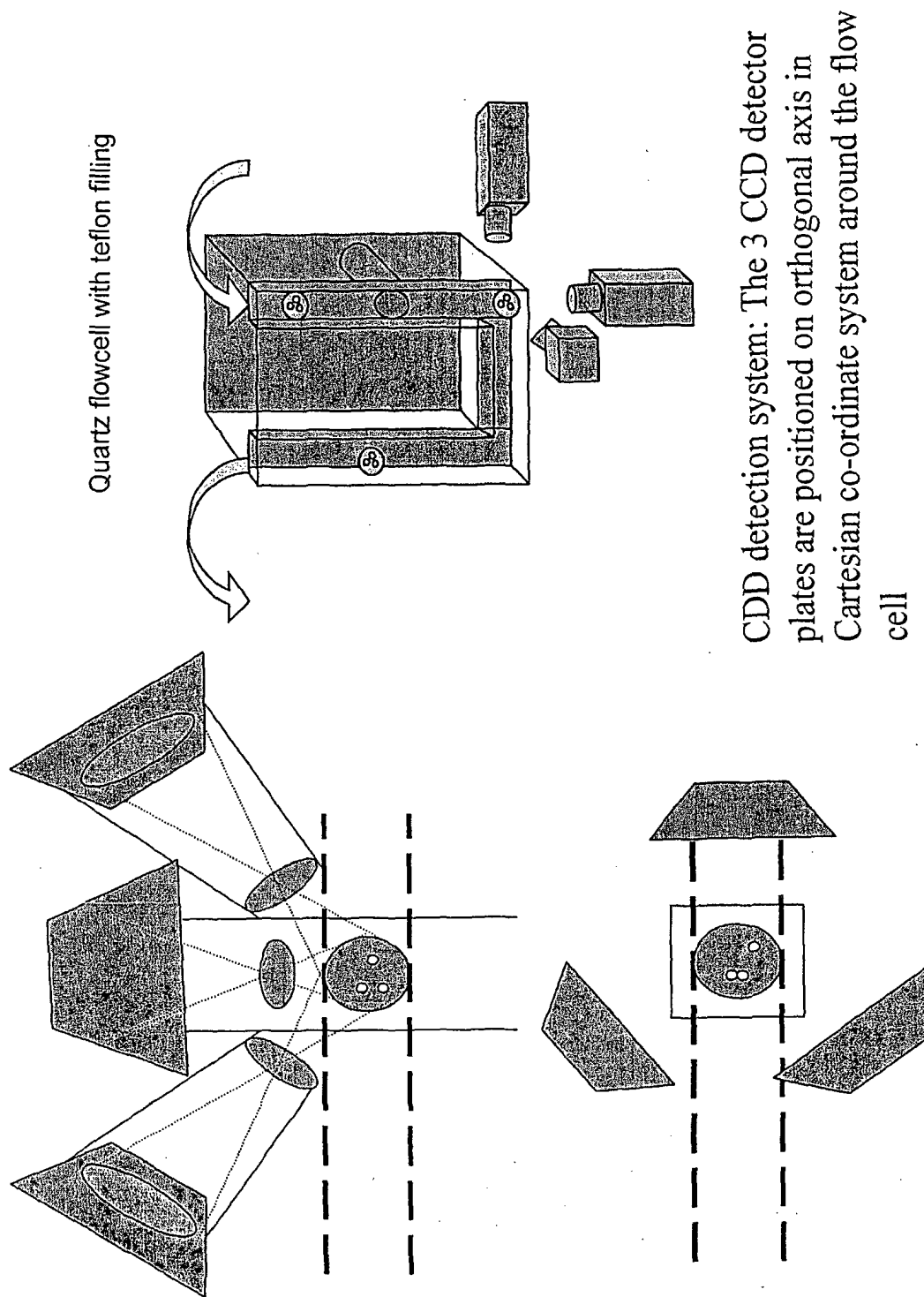
Fig. 1

Spatial encoding of beads



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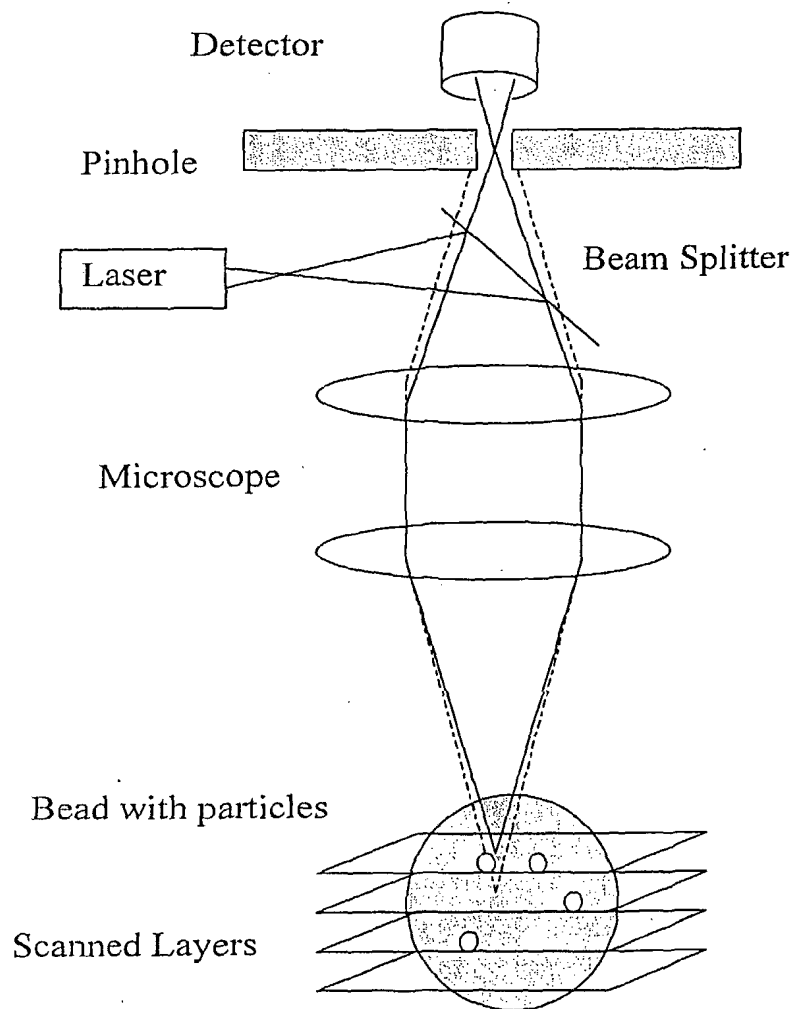
Fig. 2
CCD detection



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Fig. 3

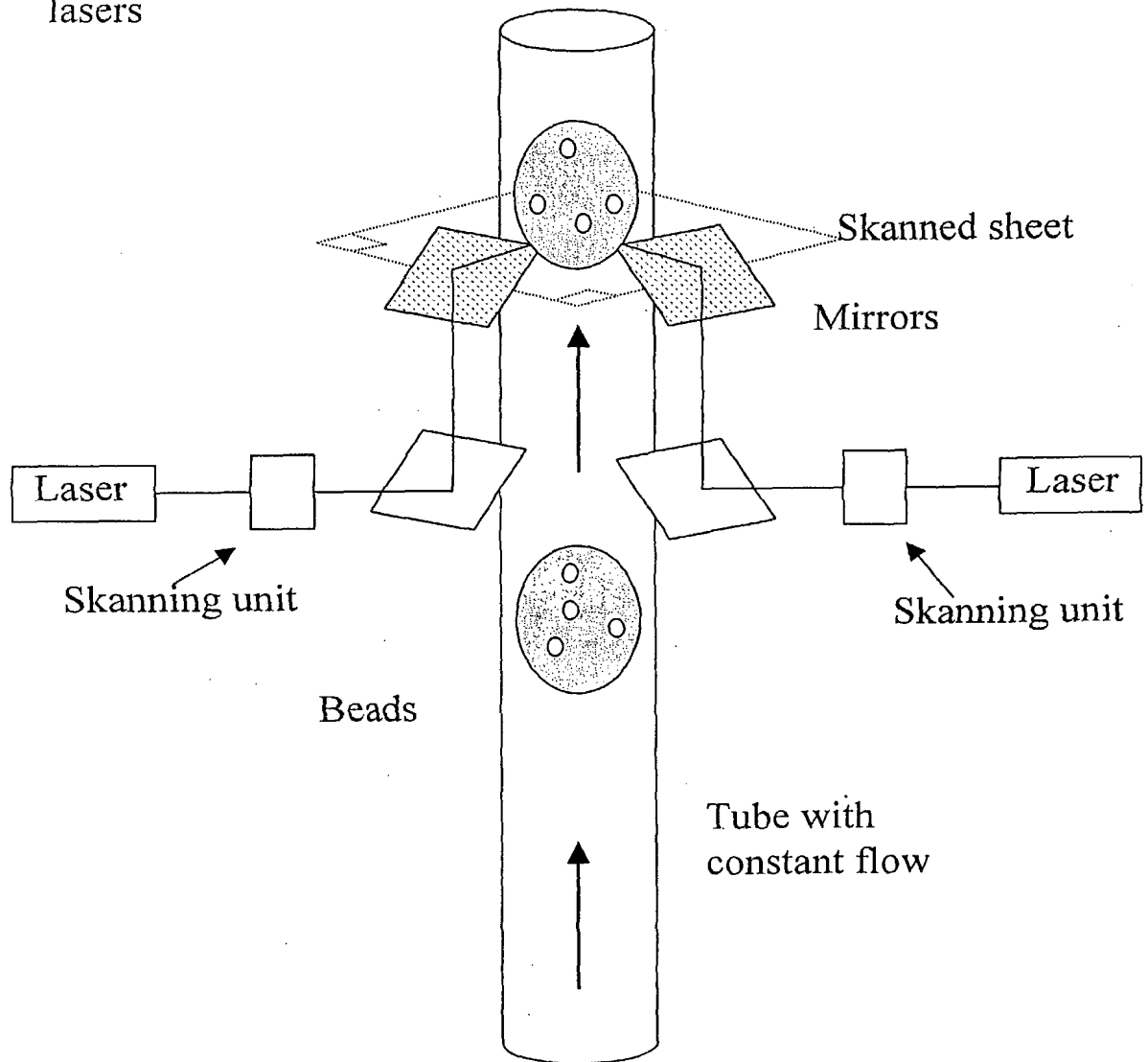
Recording of coordinates of particles in a bead using focal or confocal microscopy



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Fig. 4

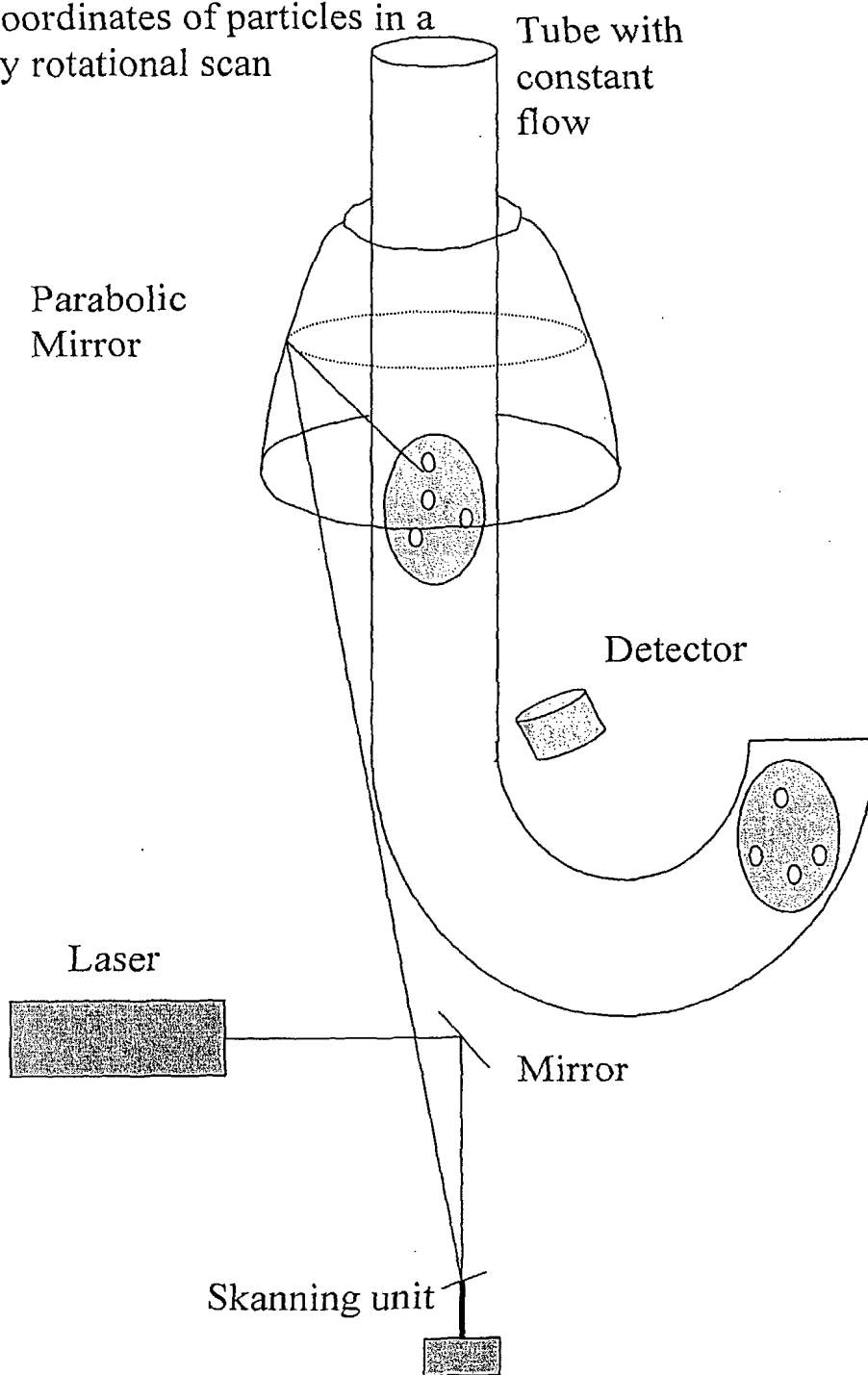
Recording of coordinates of particles in a moving bead by two alternating scanning lasers



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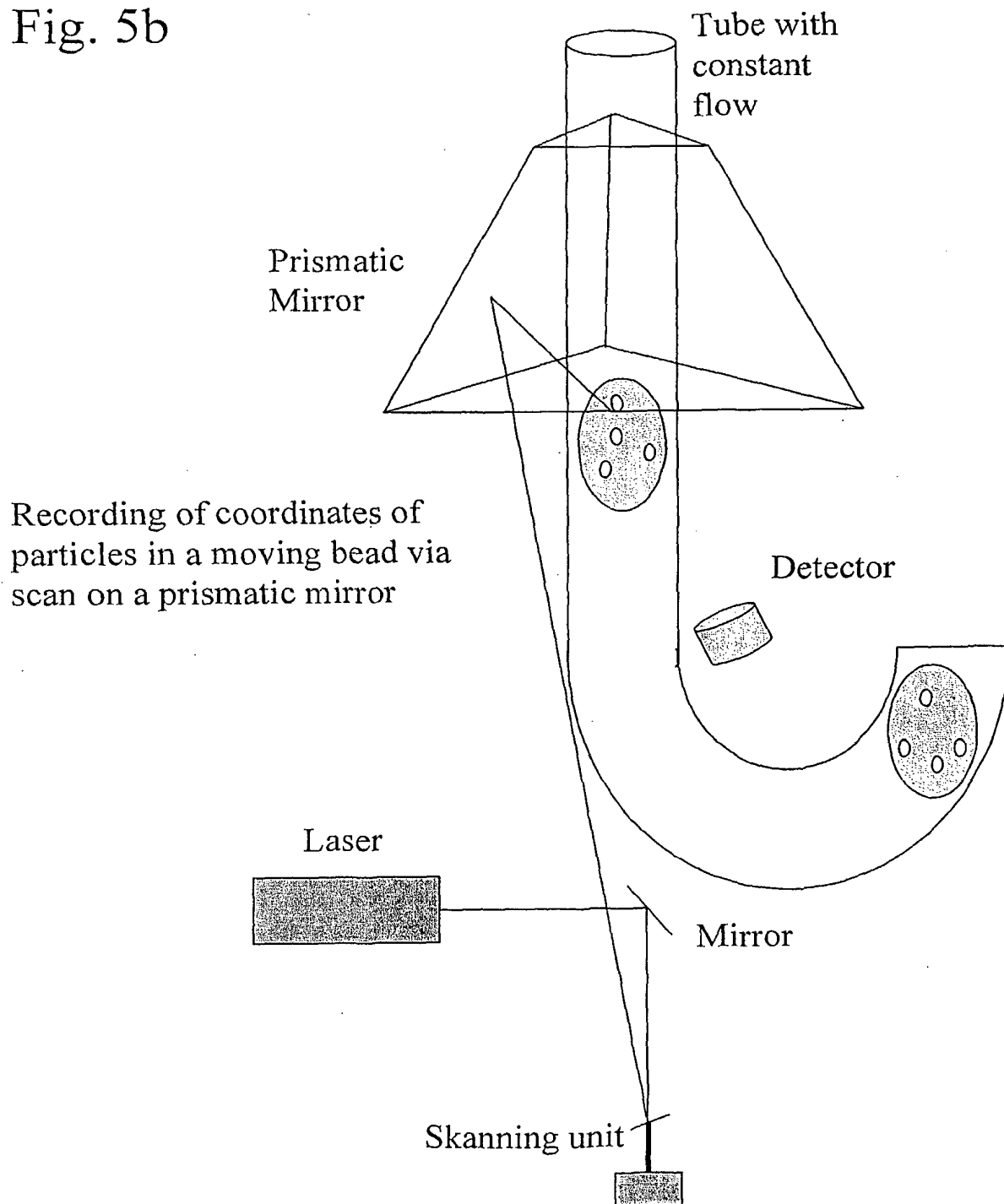
Fig. 5a

Recording of coordinates of particles in a
moving bead by rotational scan



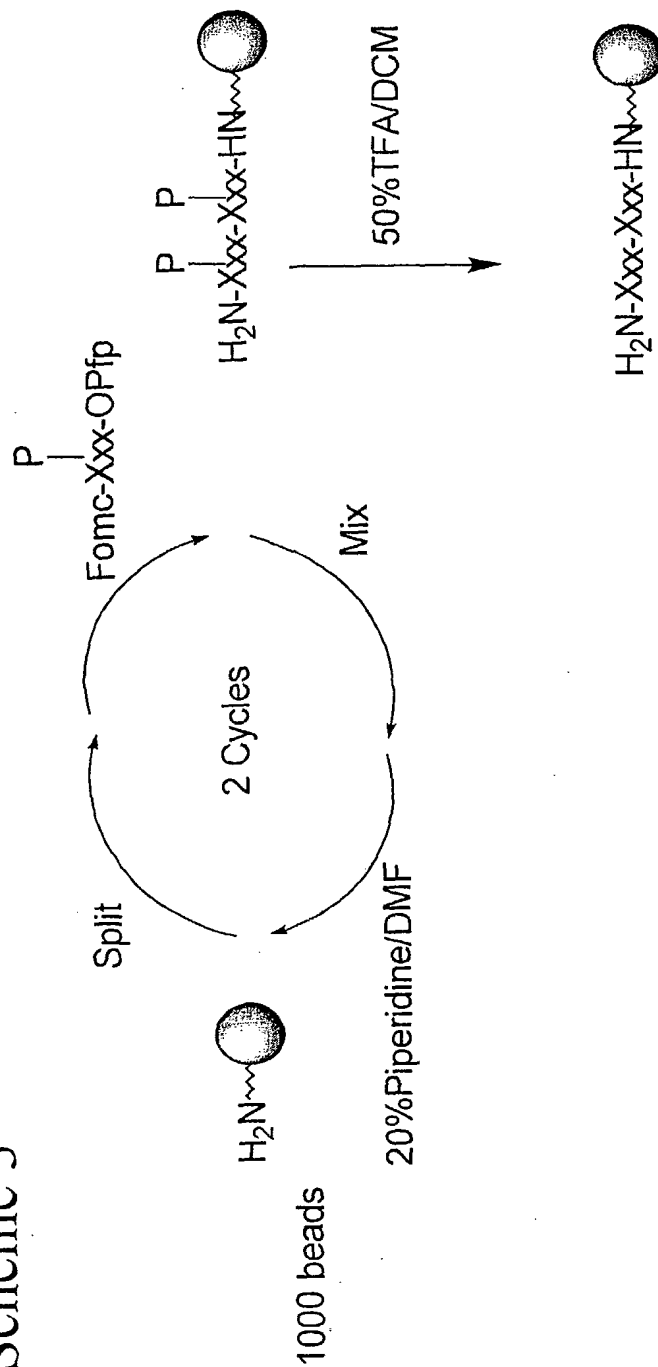
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Fig. 5b



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Scheme 3

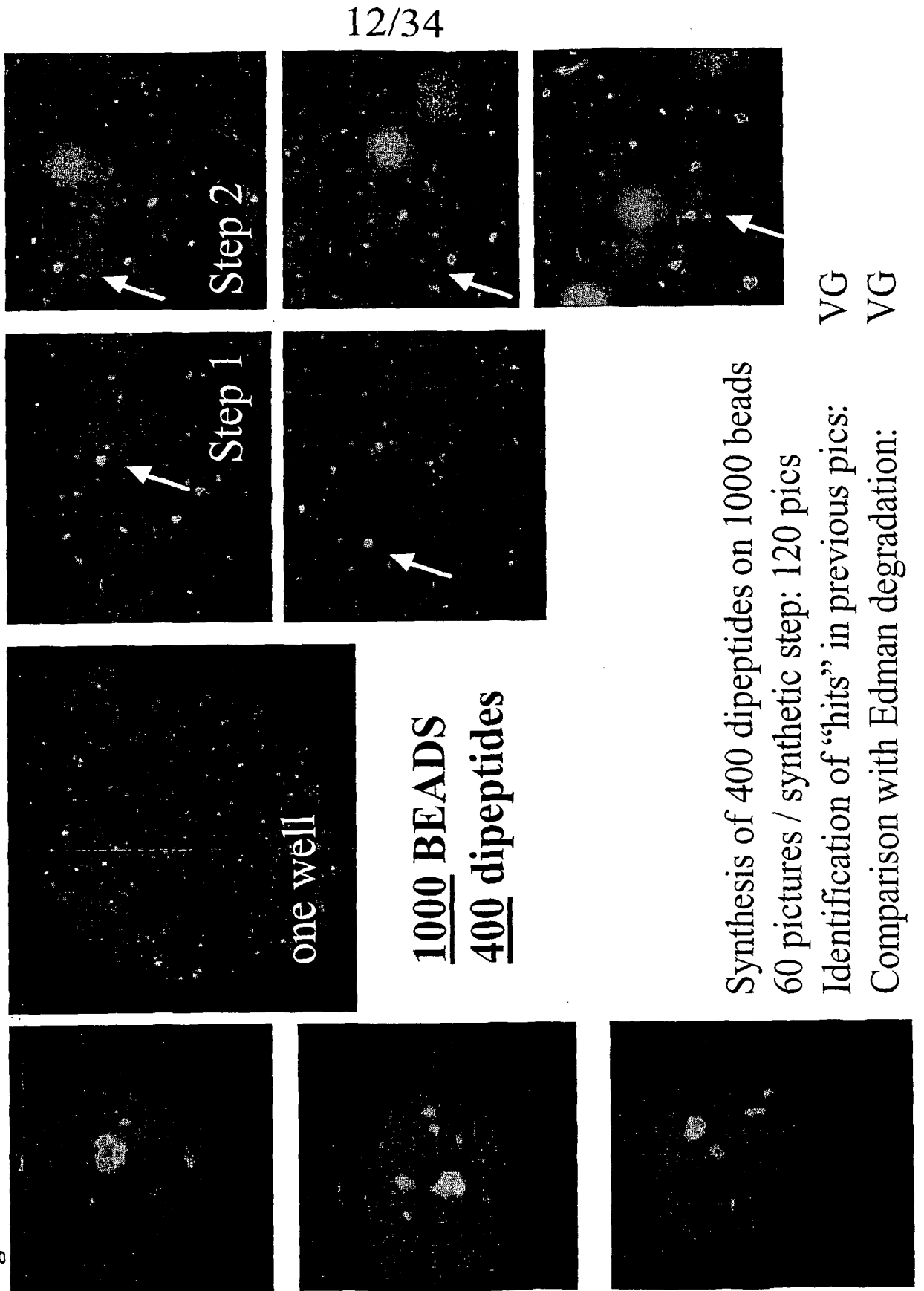


400 dipeptide
one peptide/bead

Dipeptide library
synthesis

P = protective group
Xxx = amino acid

Fig. 6 A Visual decoding of dipeptide library



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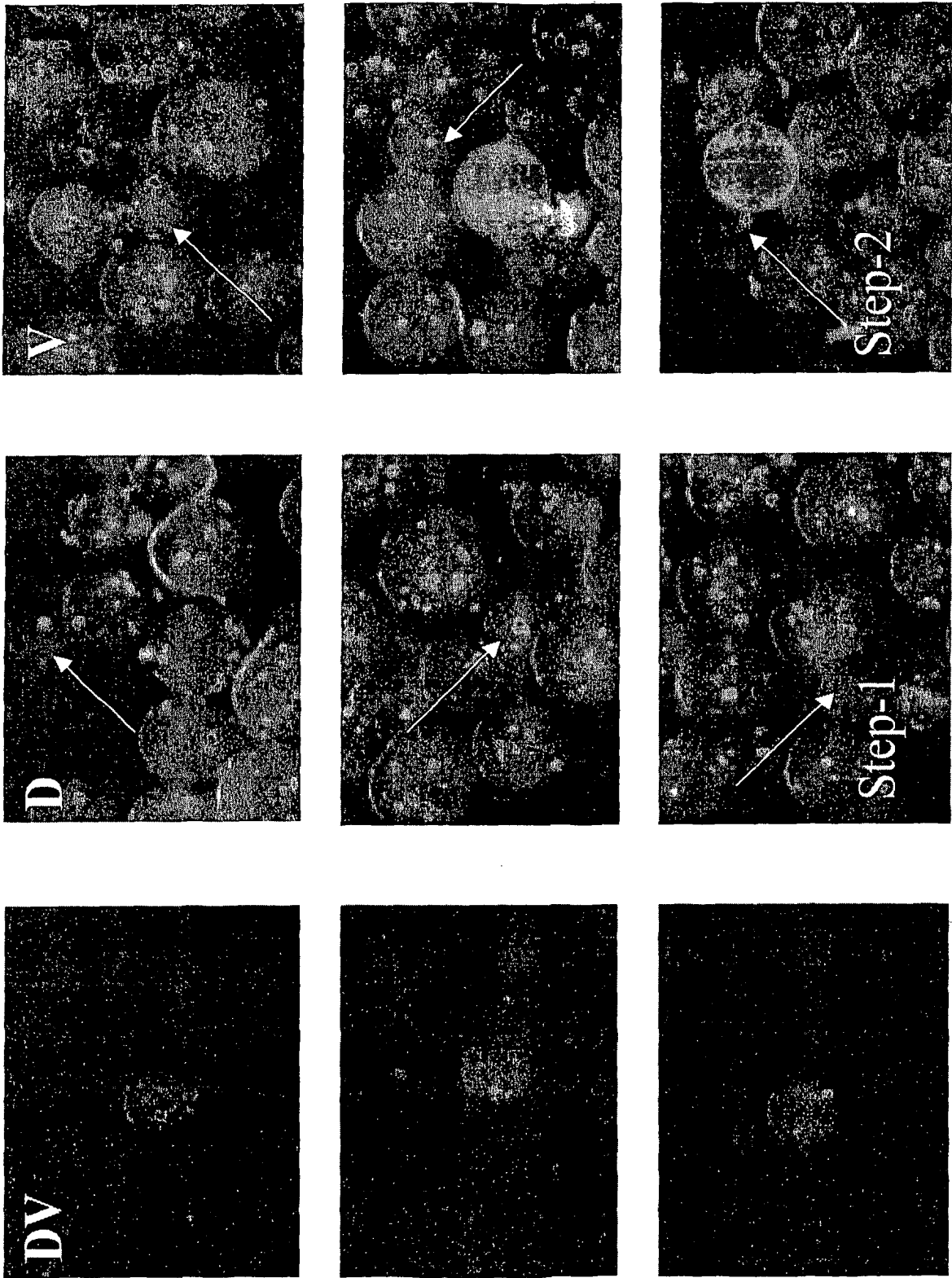


Fig. 6 B

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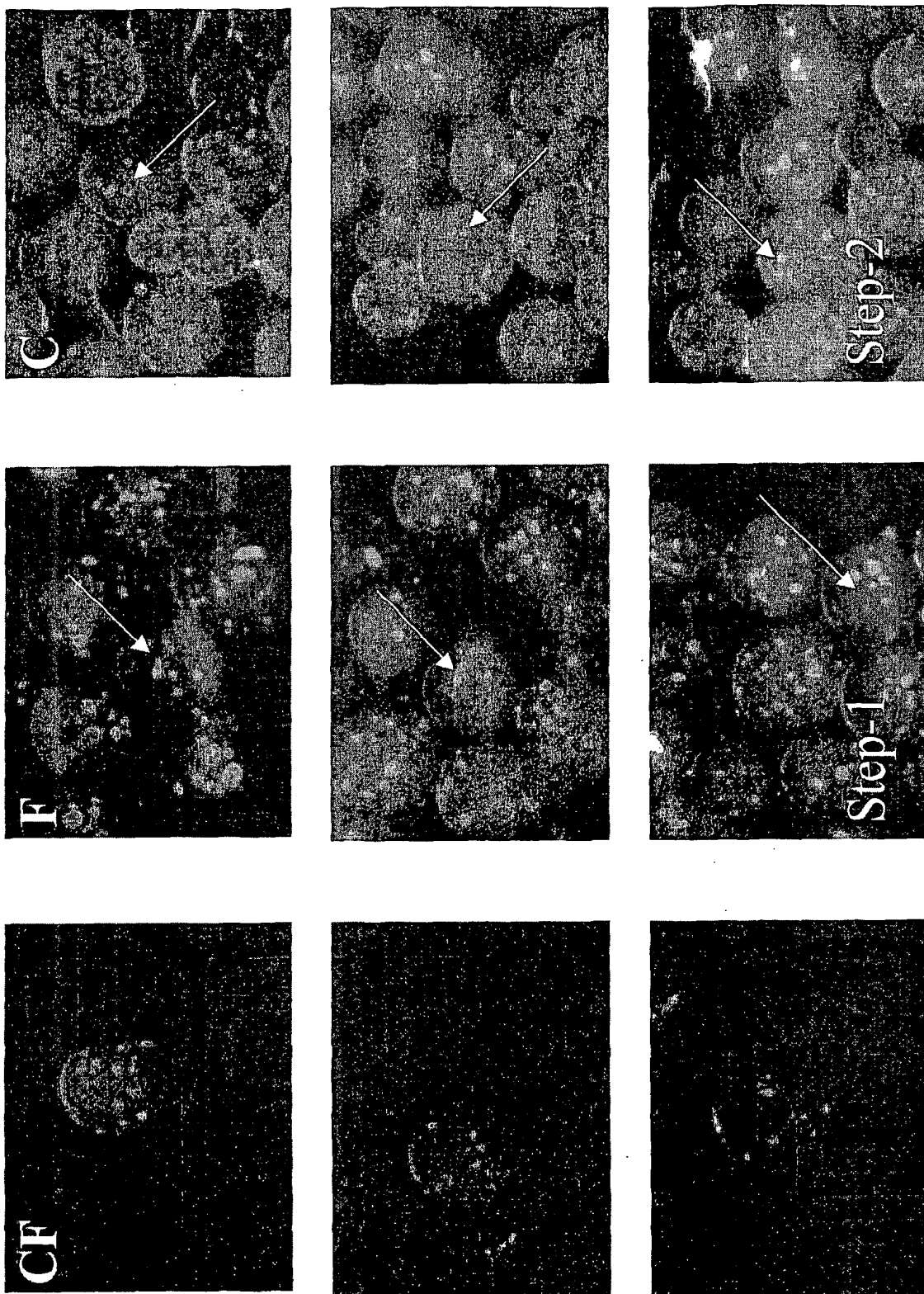
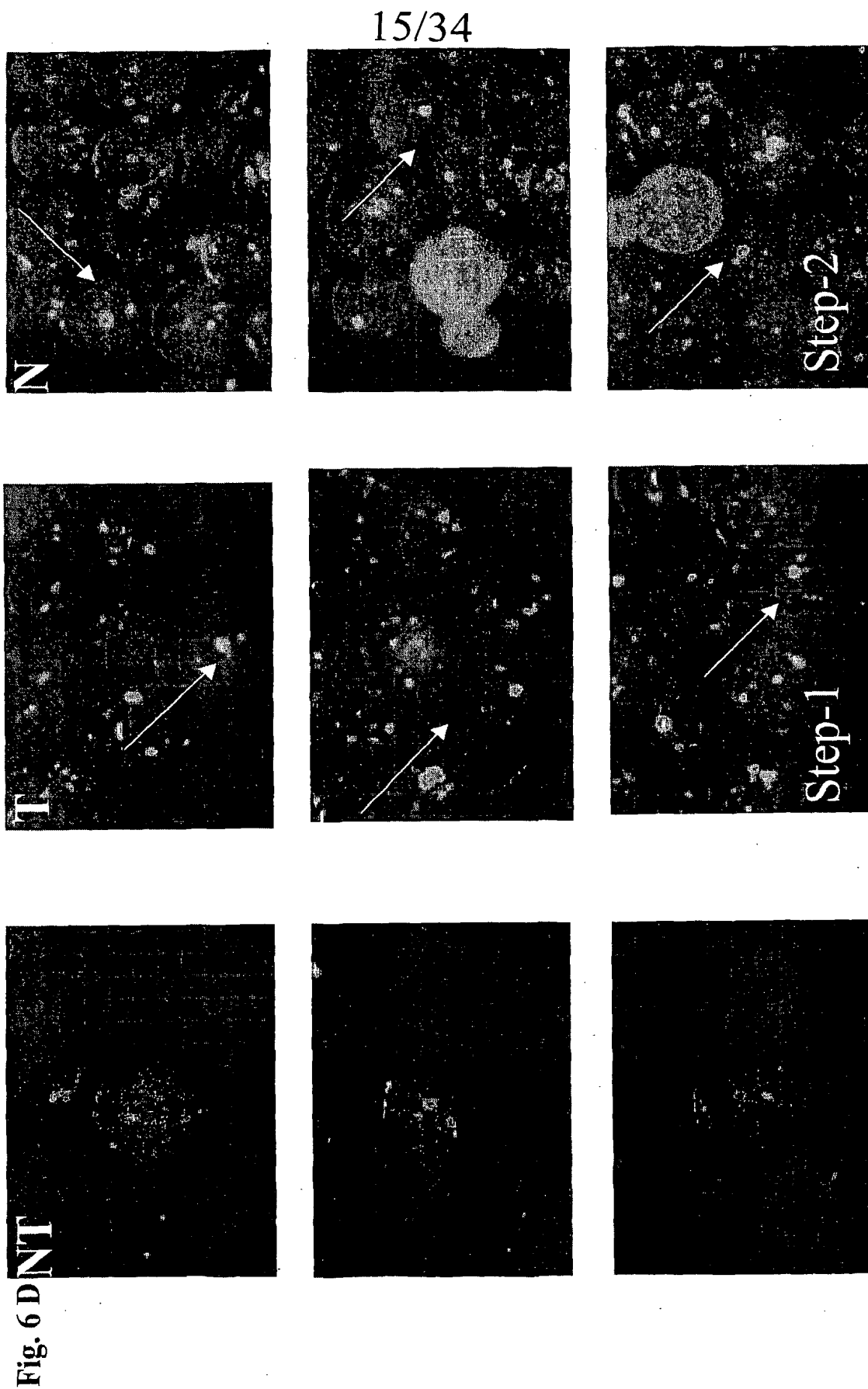
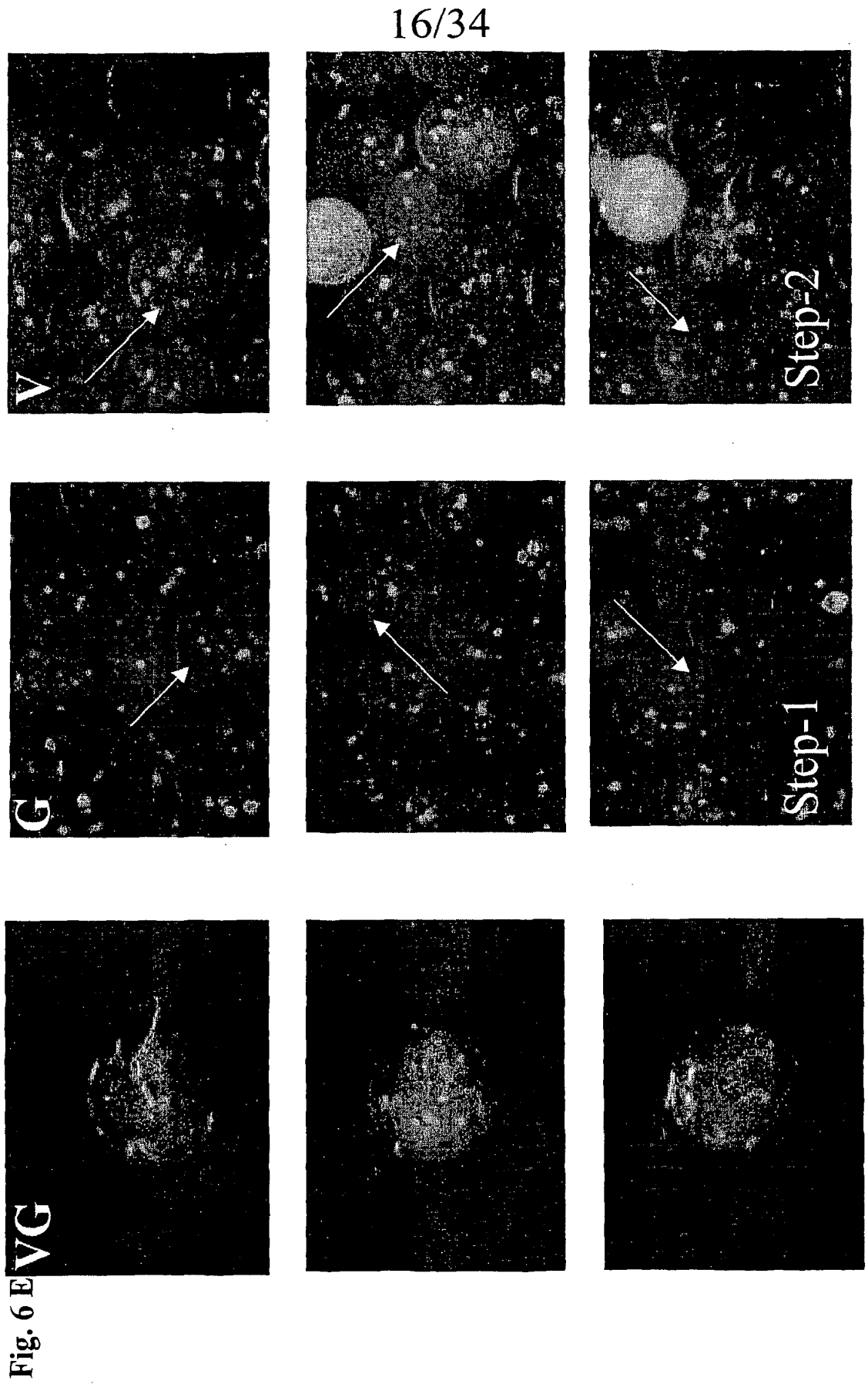
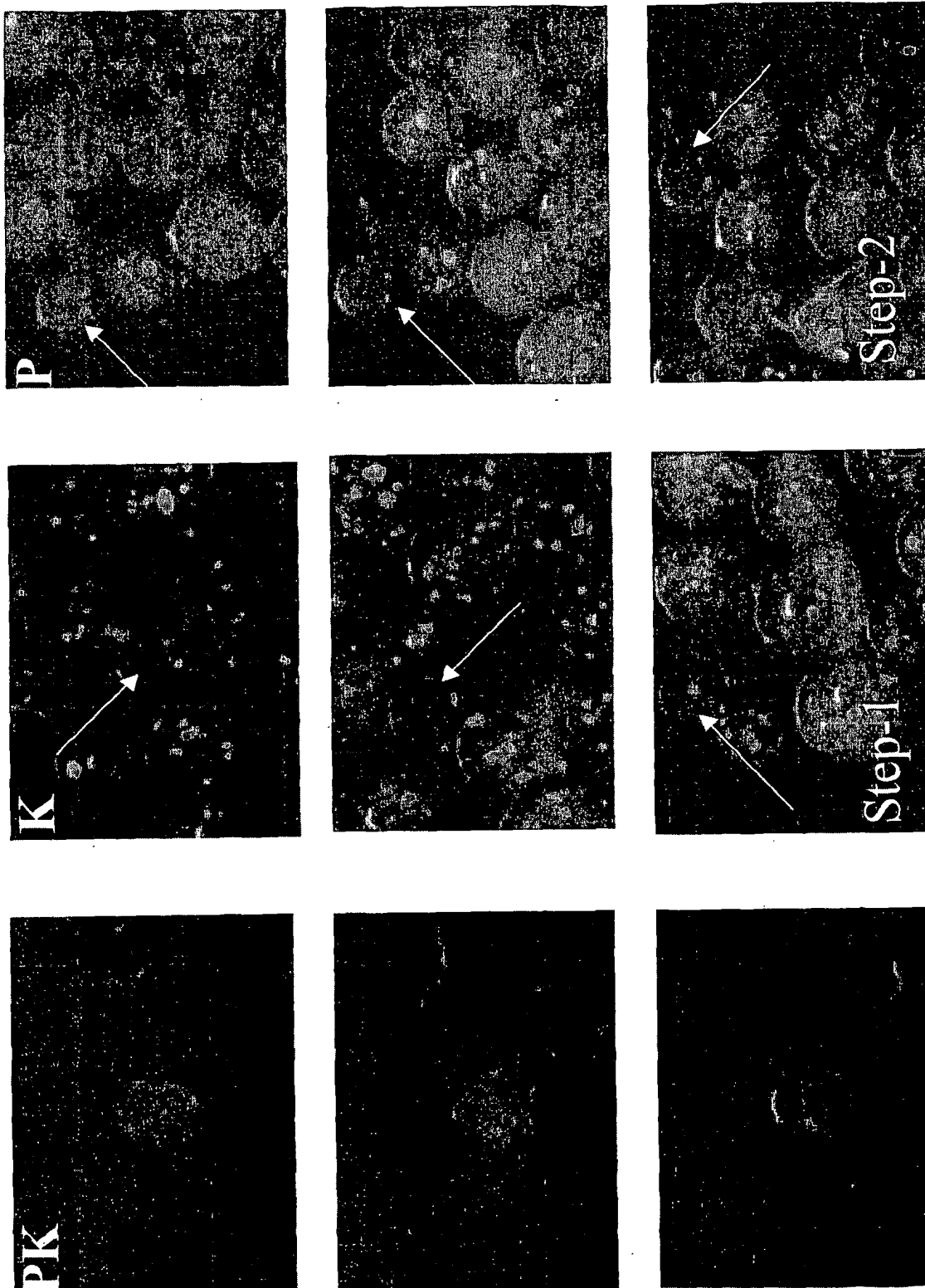


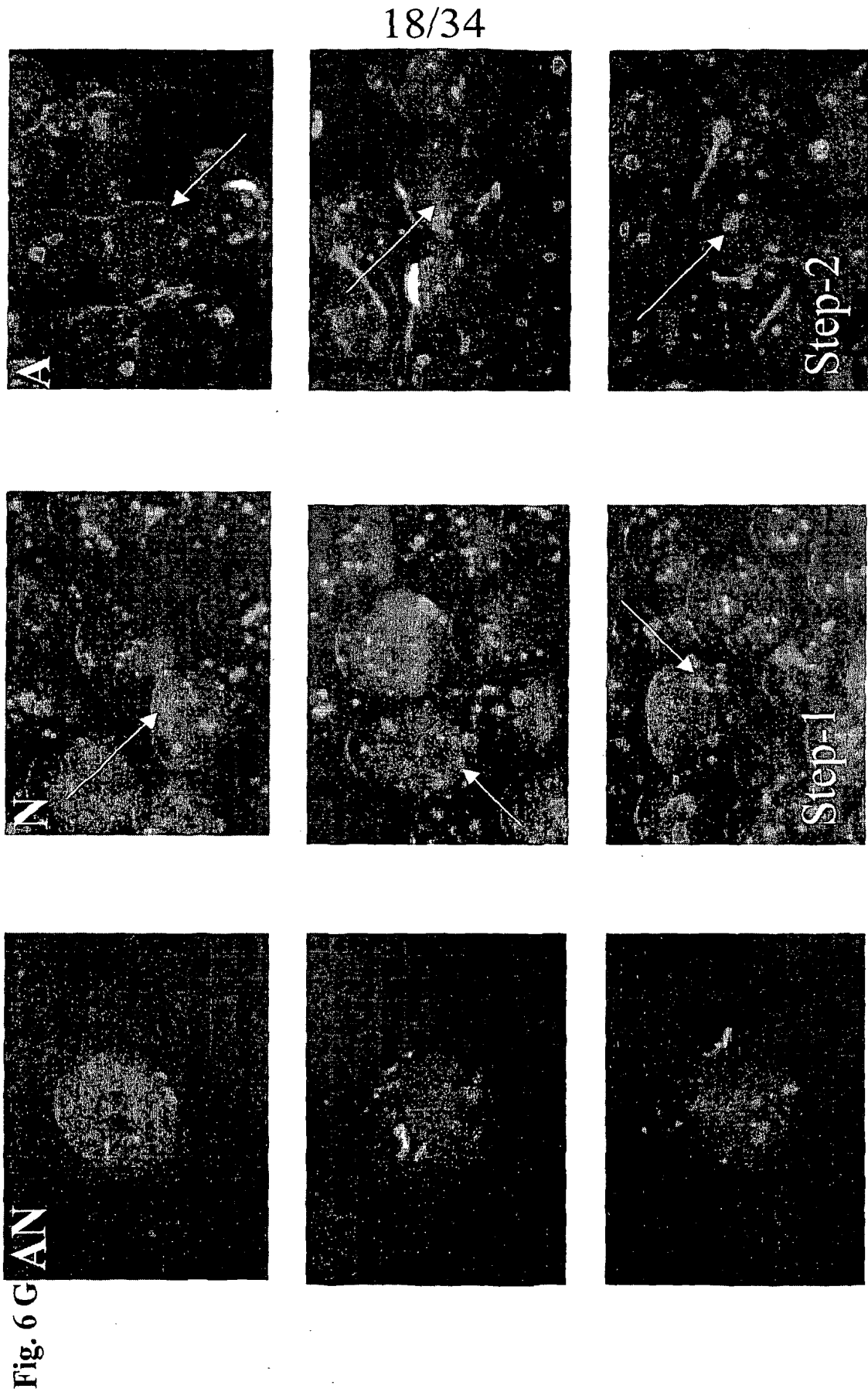
Fig. 6 C CF

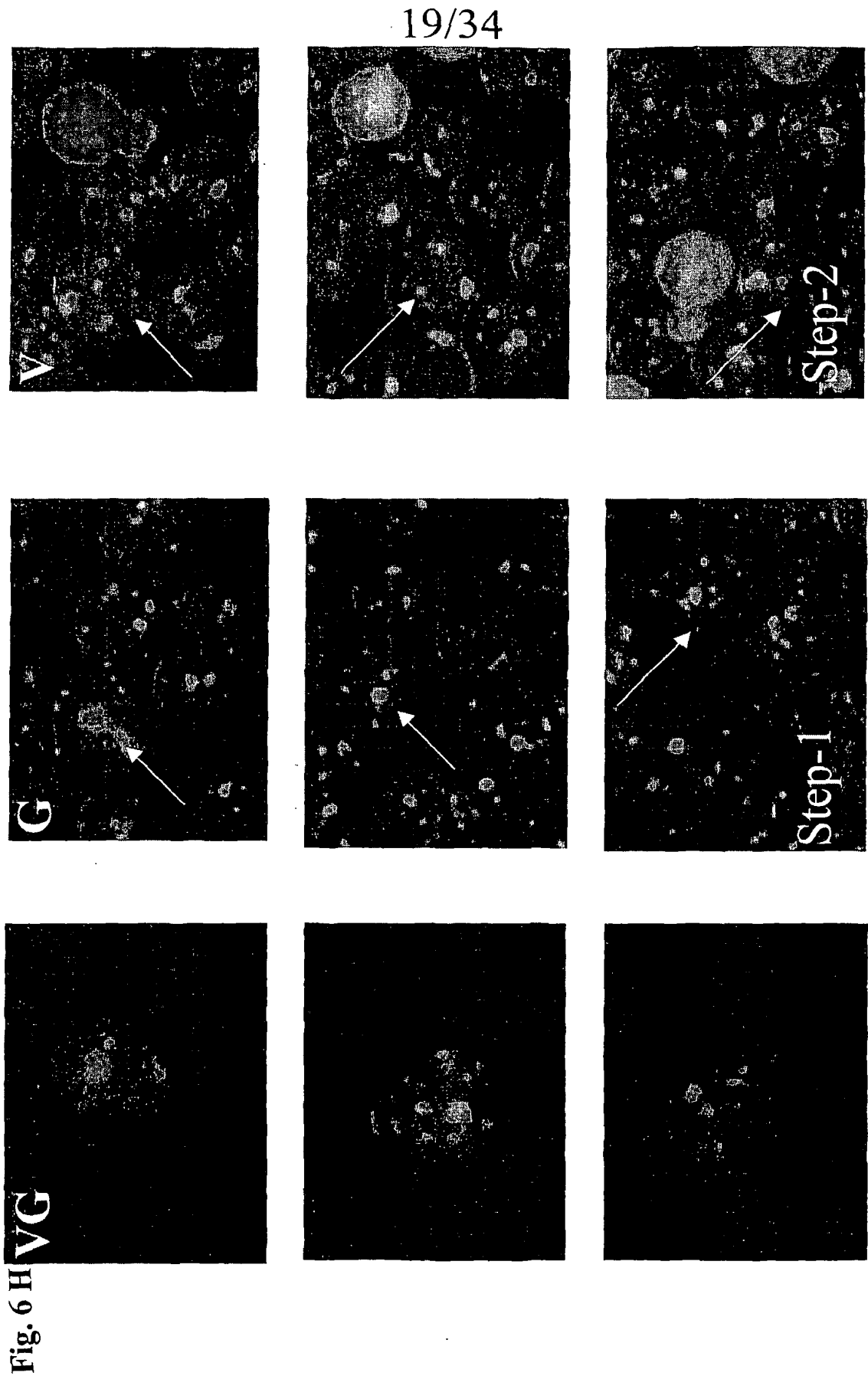




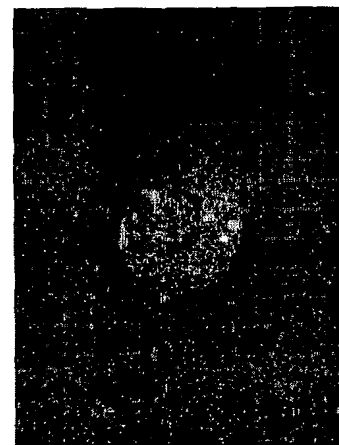
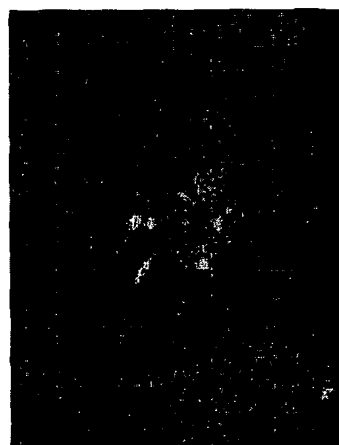
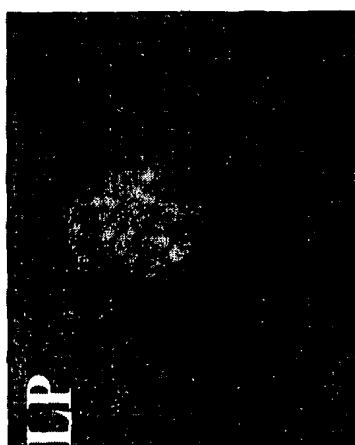
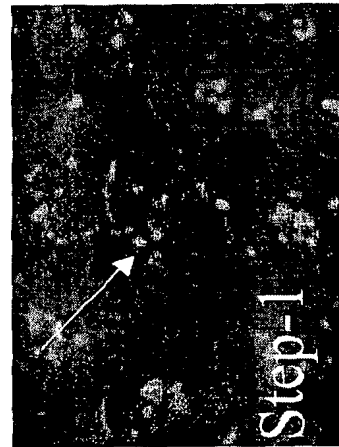
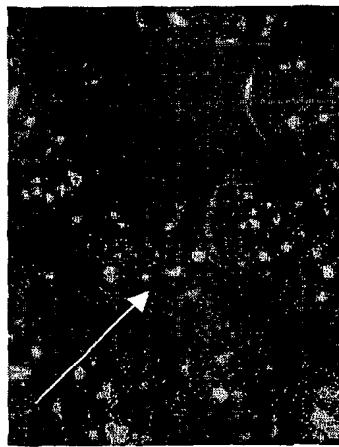
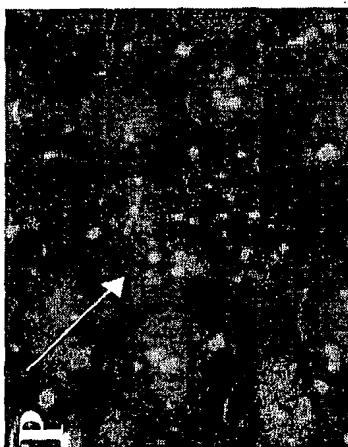
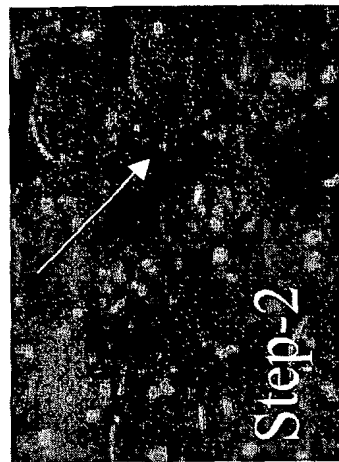
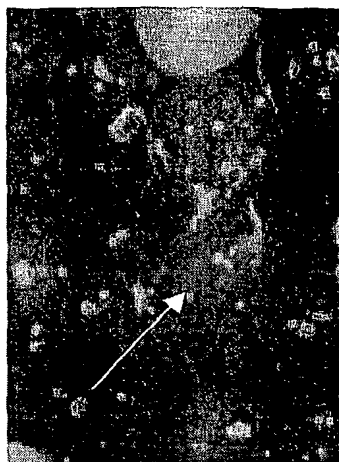
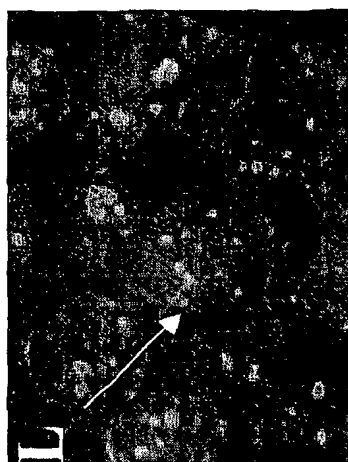
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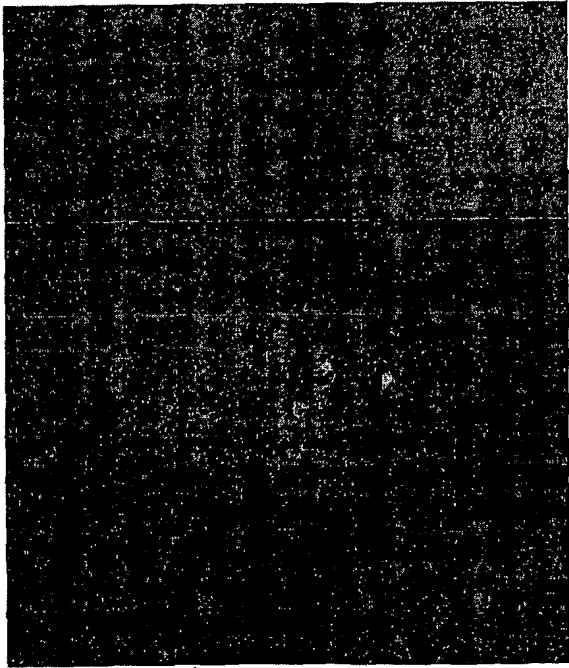


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Table 1 Visual decoding of 20 beads from a library containing 400 dipeptides

	Seq	Pic	Other possible		Seq	Pic	Other possible
1	CF	CF		11	HF	HL	
2	AT	AY		12	NT	NT	
3	DV	DV		13	AN	AN	
4	EV	EF		14	PH	PF	
5	FR	FD		15	PK	PK	
6	GM	GM	GF	16	FR	FR	VR
7	IV	IV	IP	17	VG	VG	
8	LP	LP		18	RQ	RQ	VQ
9	WG	WW		19	VG	VG	
10	YW	YW		20	AL	AL	VL AI

Fig. 7 A 3 Orthogonal pictures



0,0 0,0 0.0
X1, X2 X1, X2 Y1, Y2
Y1, Y2 Z1, Z2 Z1, Z2

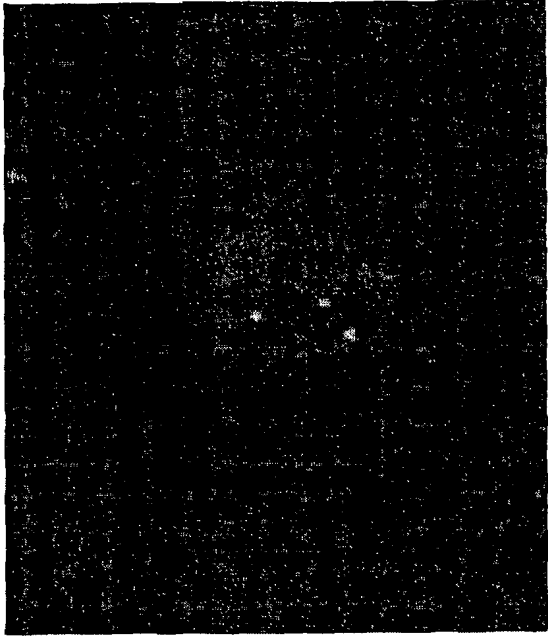
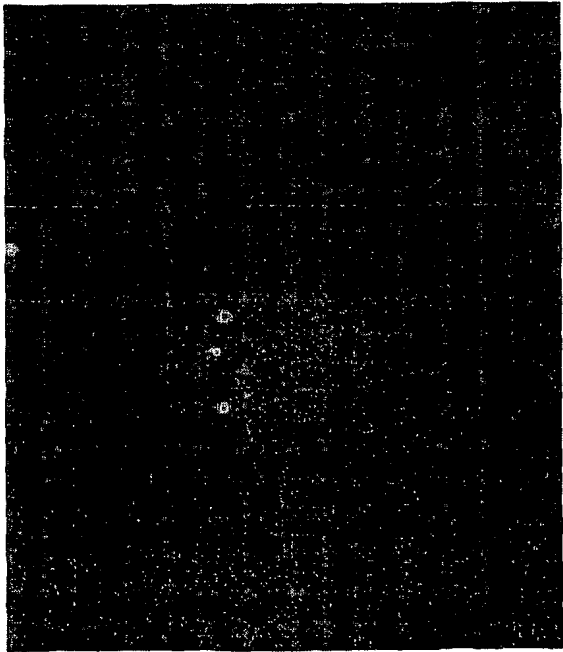
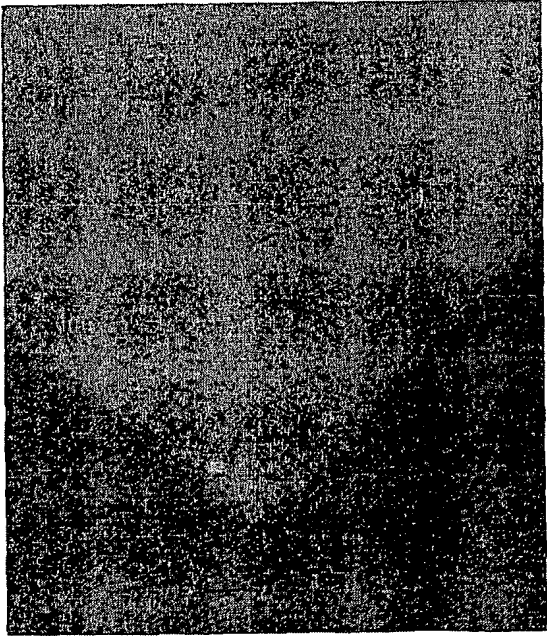
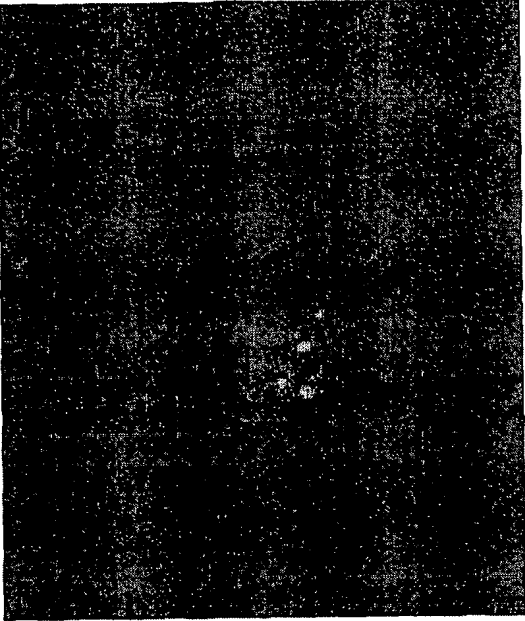
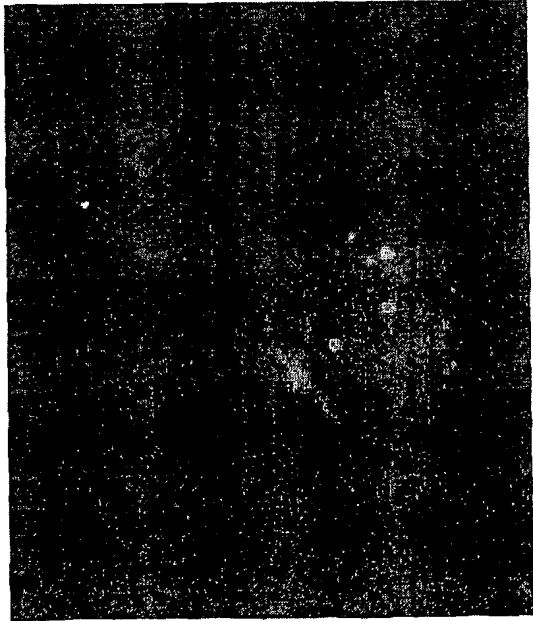


Fig. 7 B 3 Orthogonal pictures

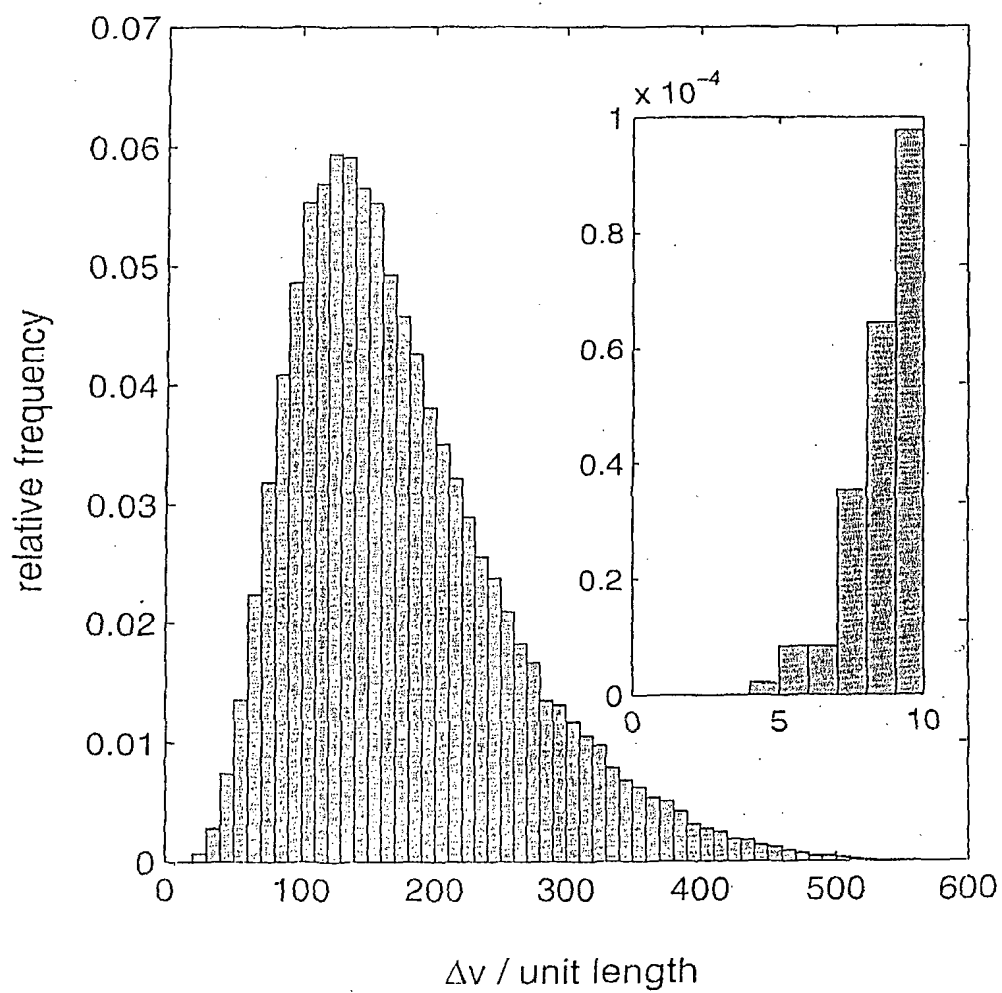


0,0 0,0 0.0
X1, X2 X1, X2 Y1, Y2
Y1, Y2 Z1, Z2 Z1, Z2



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Fig. 8



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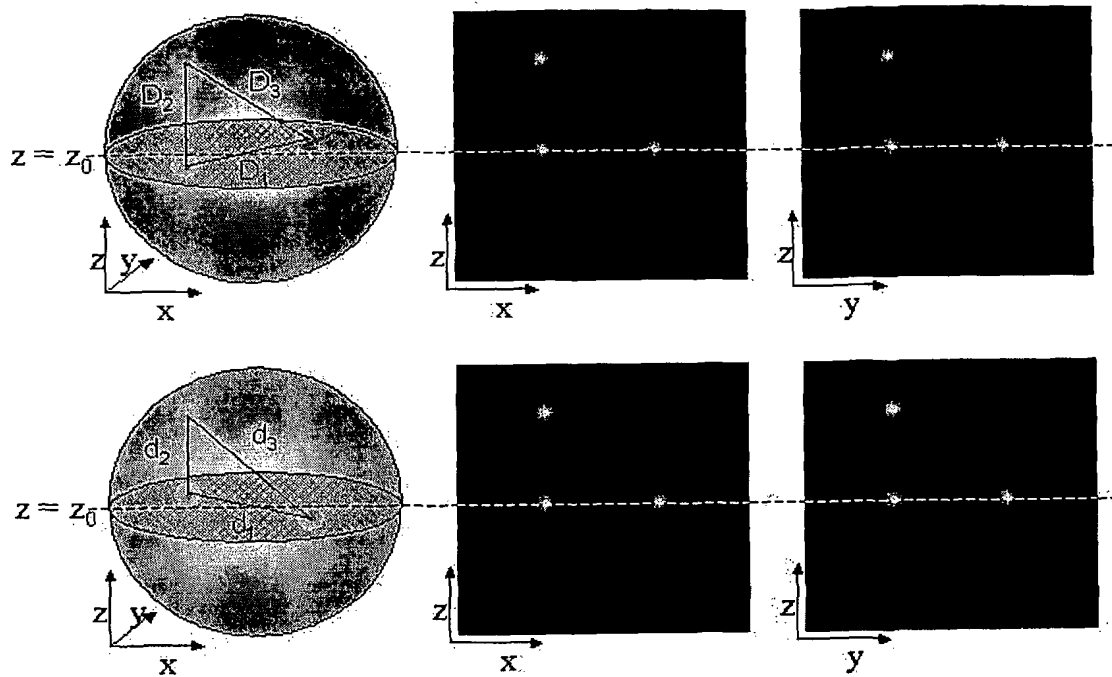


Fig. 9

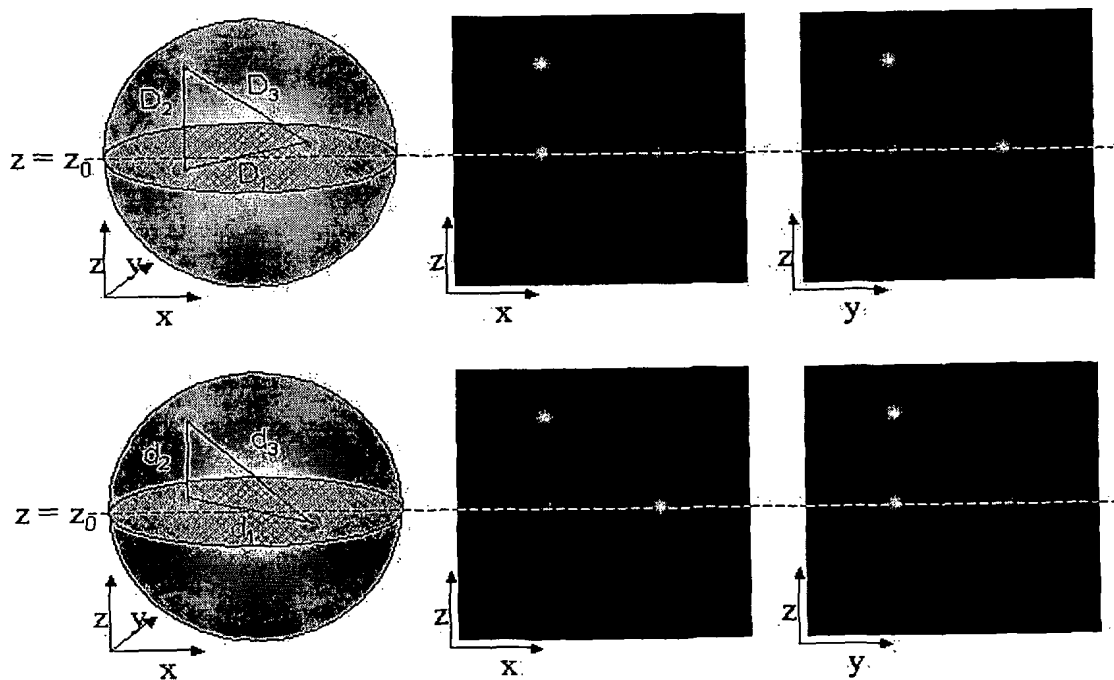


Fig. 10

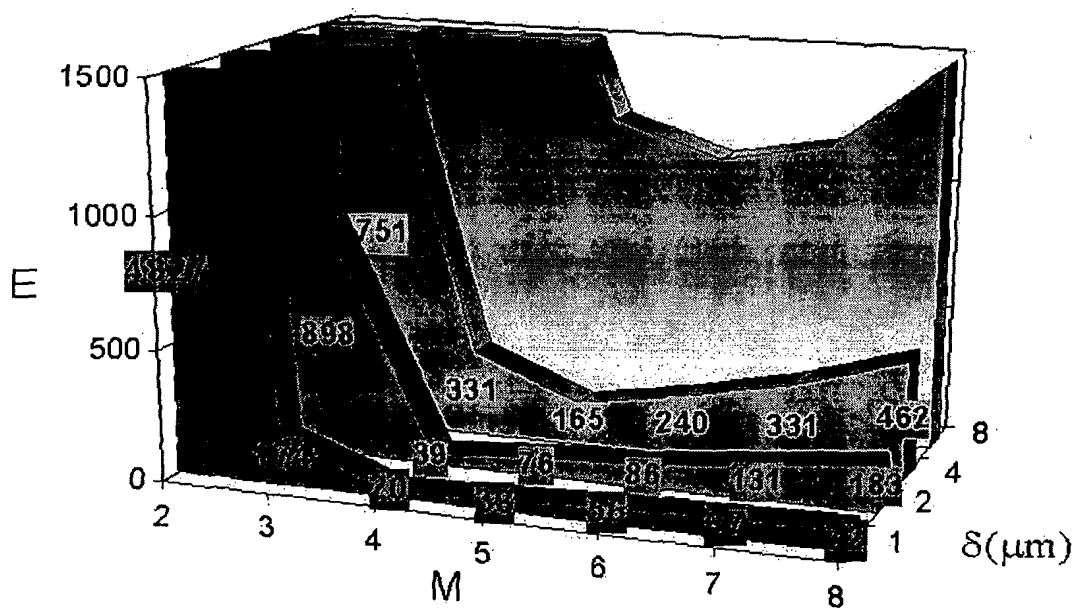
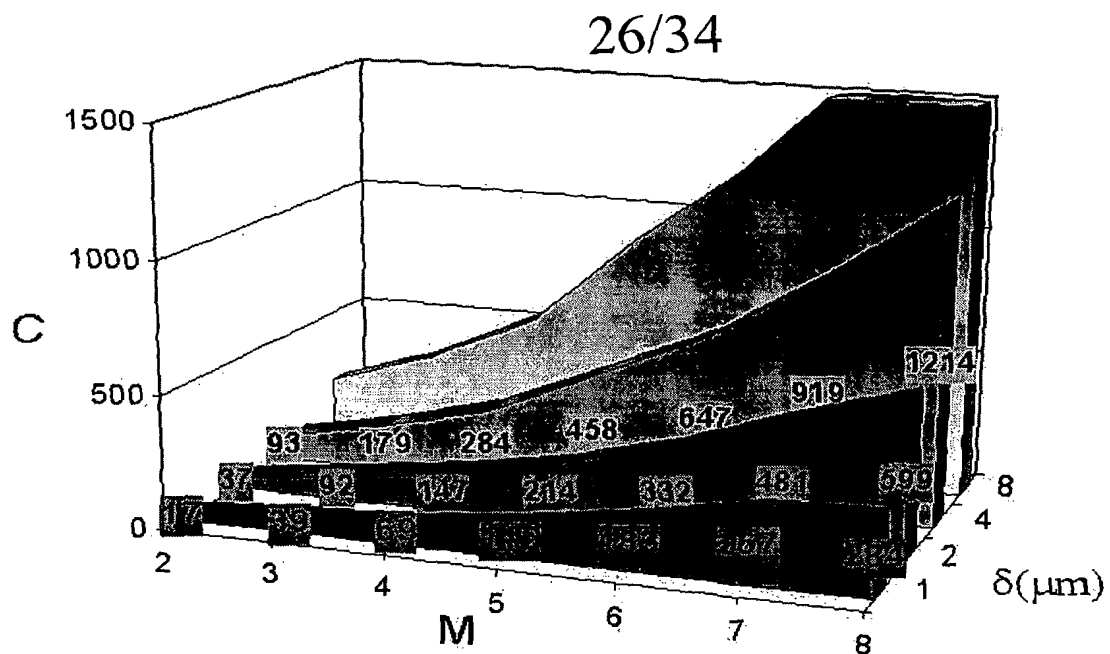


Fig. 11

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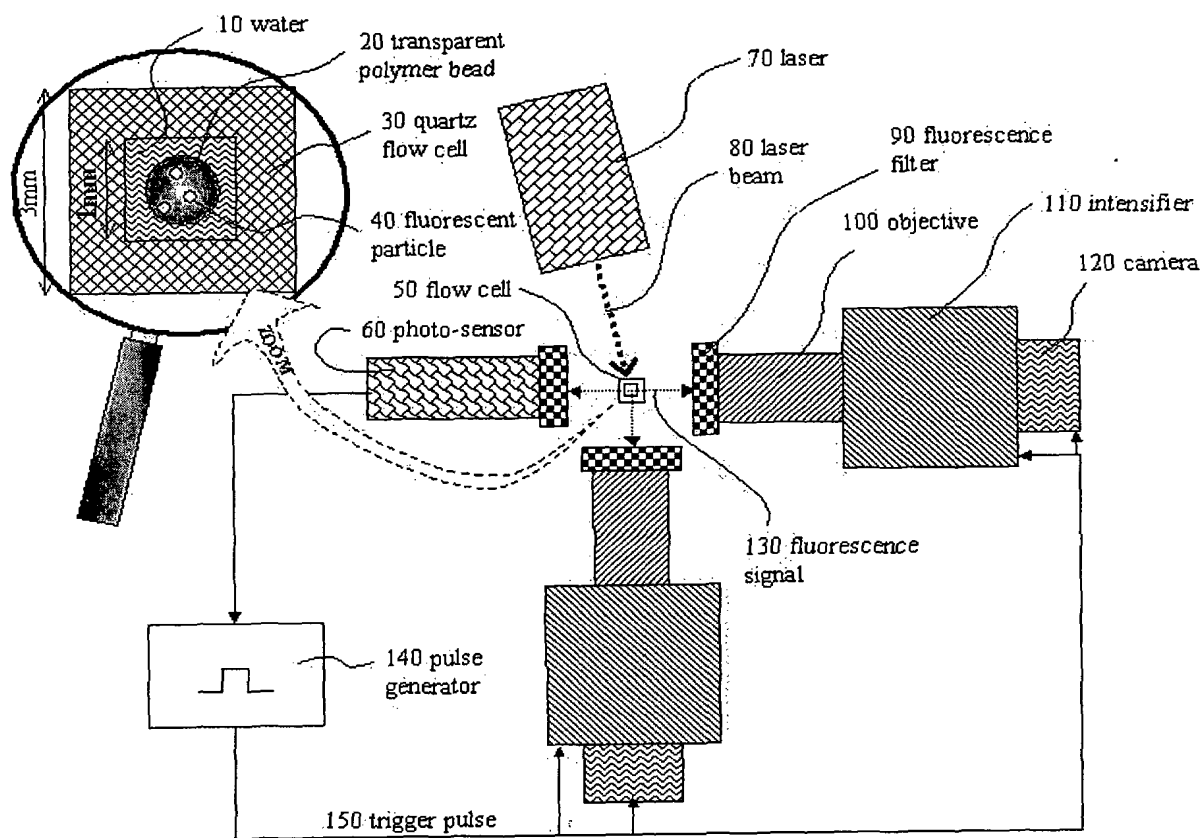


Fig.12

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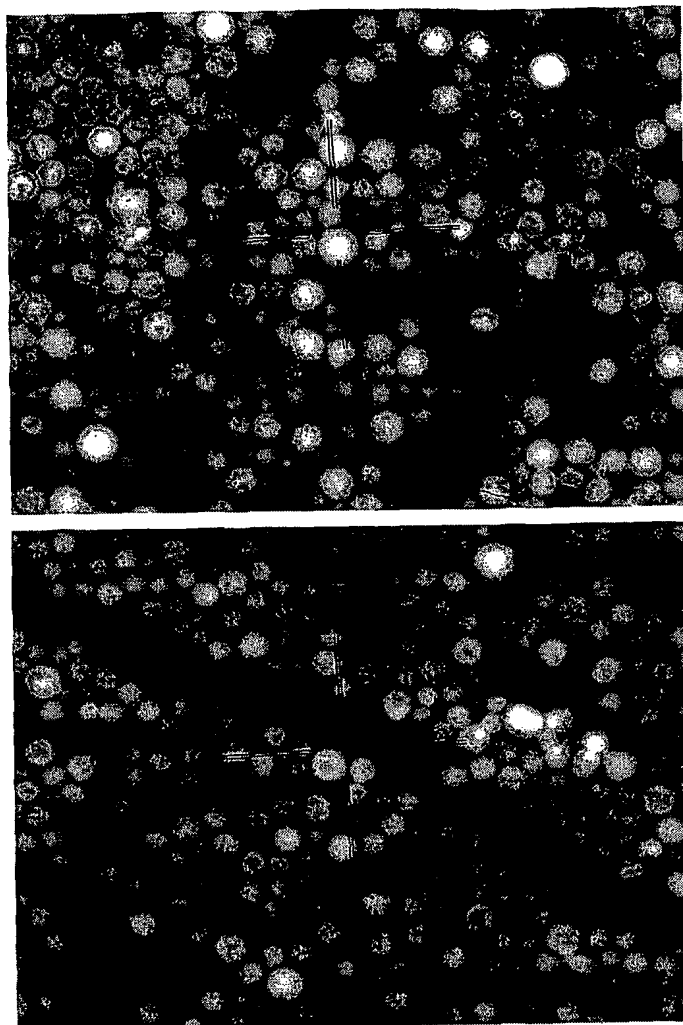


Fig. 13

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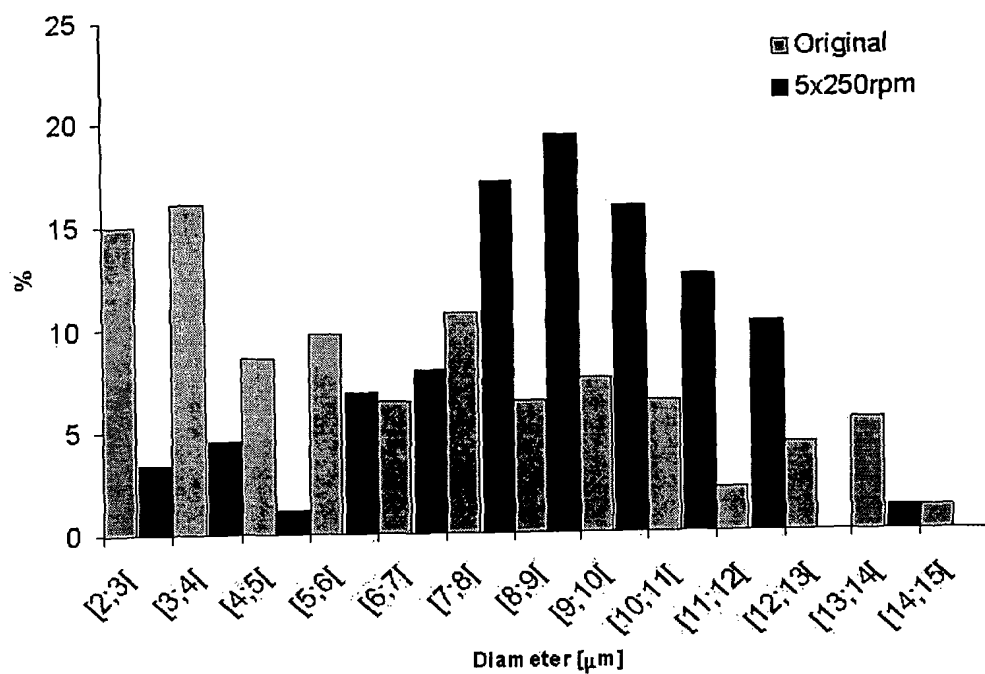


Fig. 14

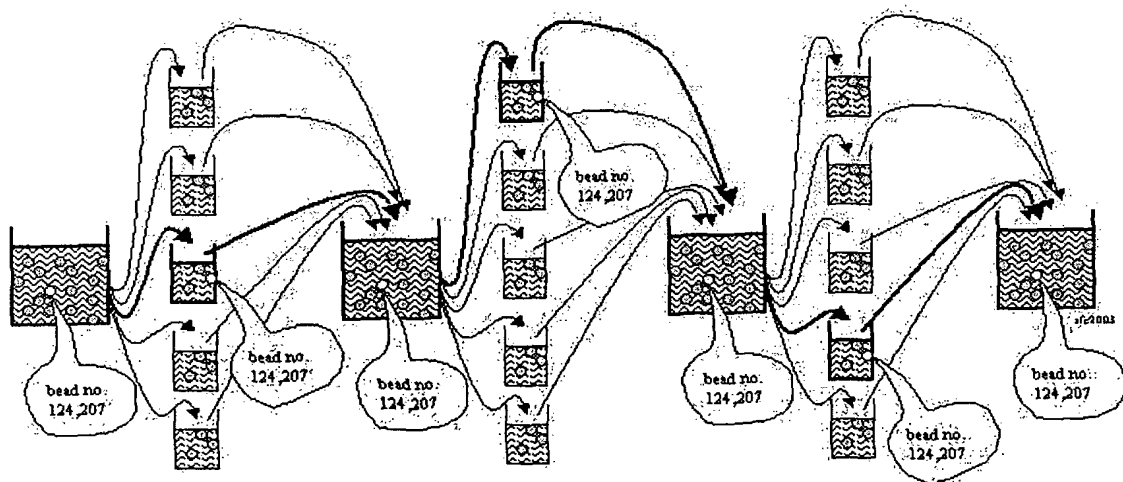


Fig. 15

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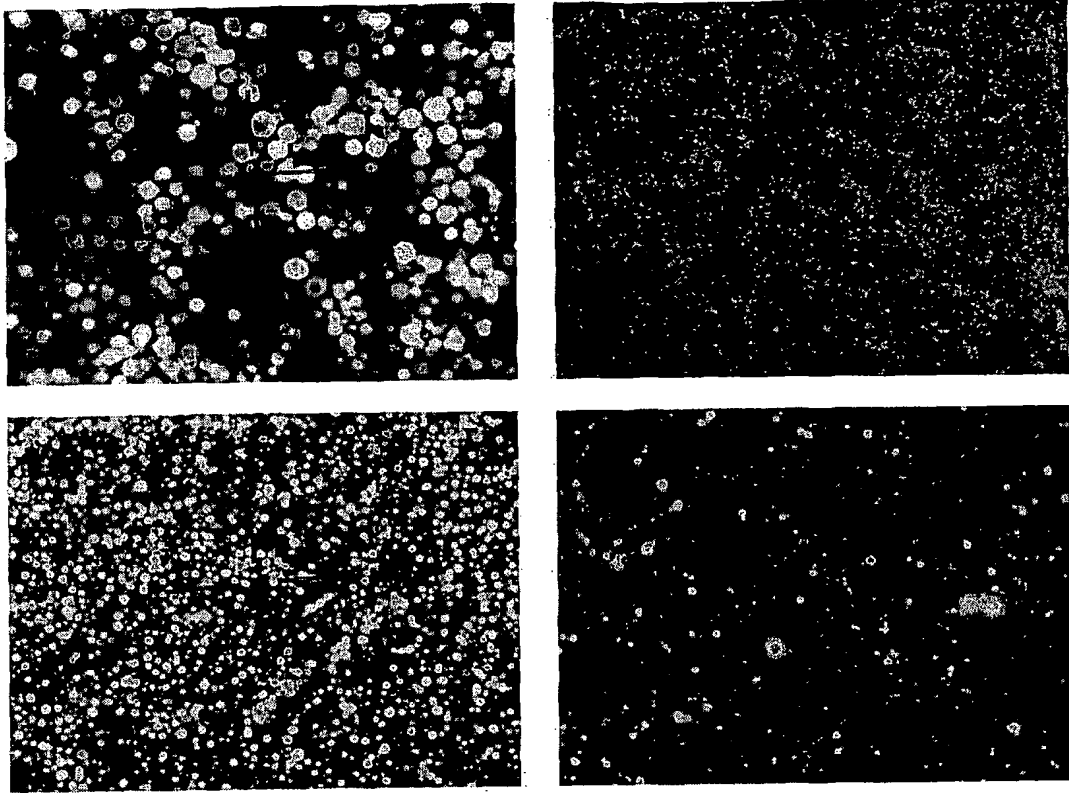


Fig. 16

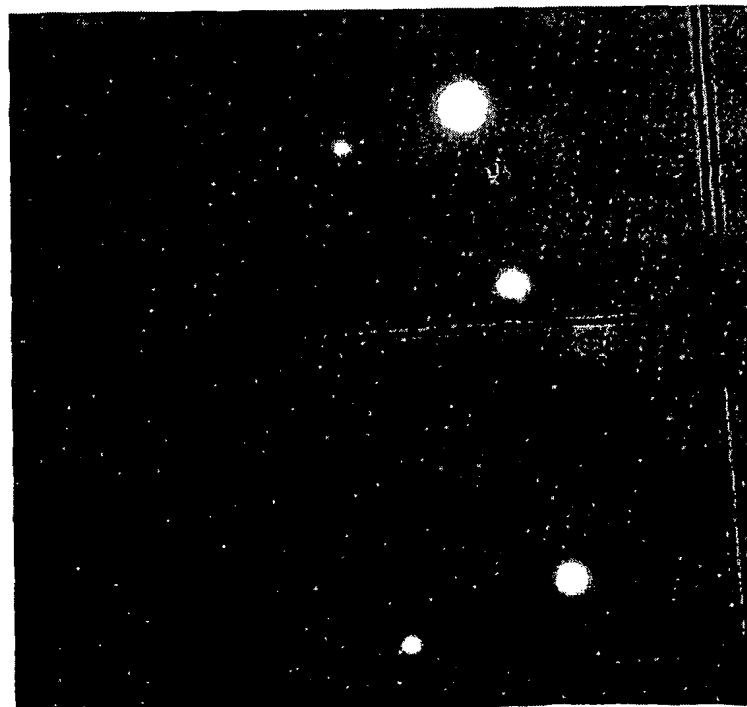


Fig. 17

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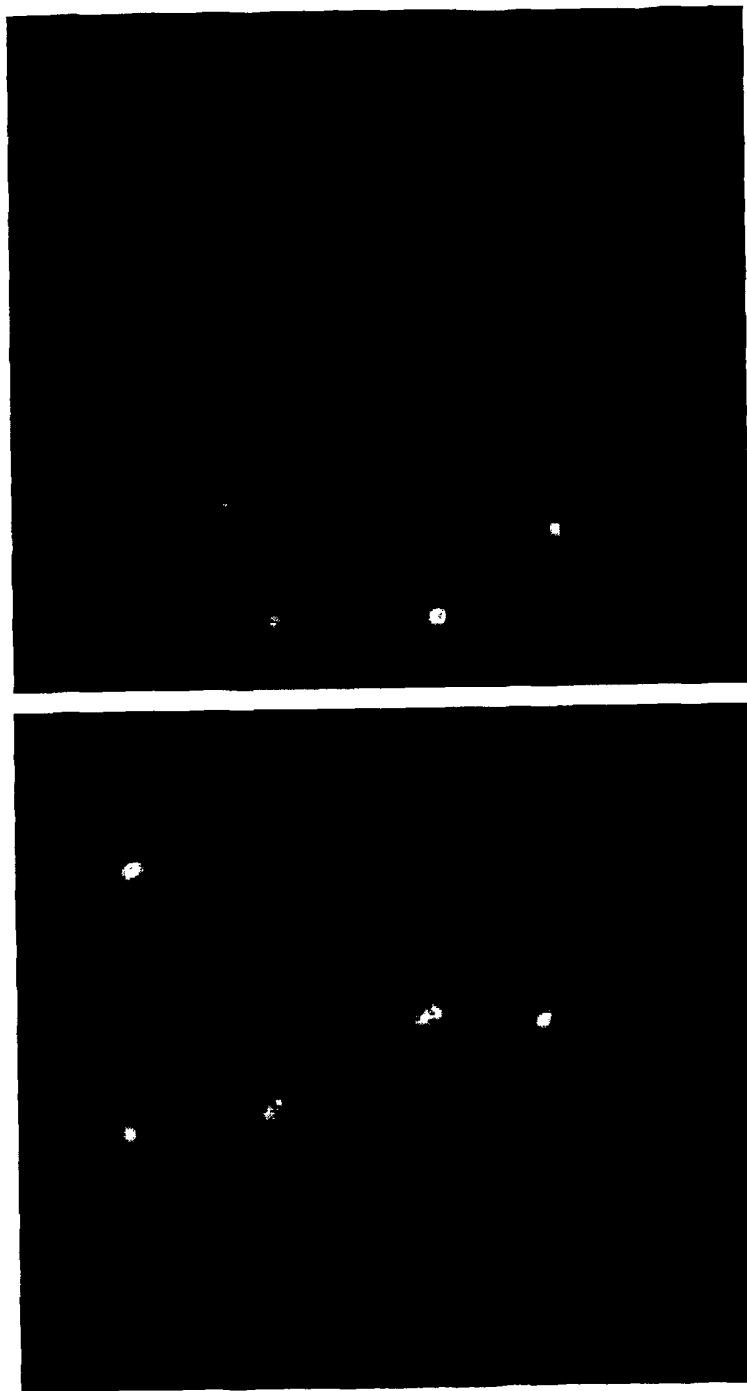


Fig. 18

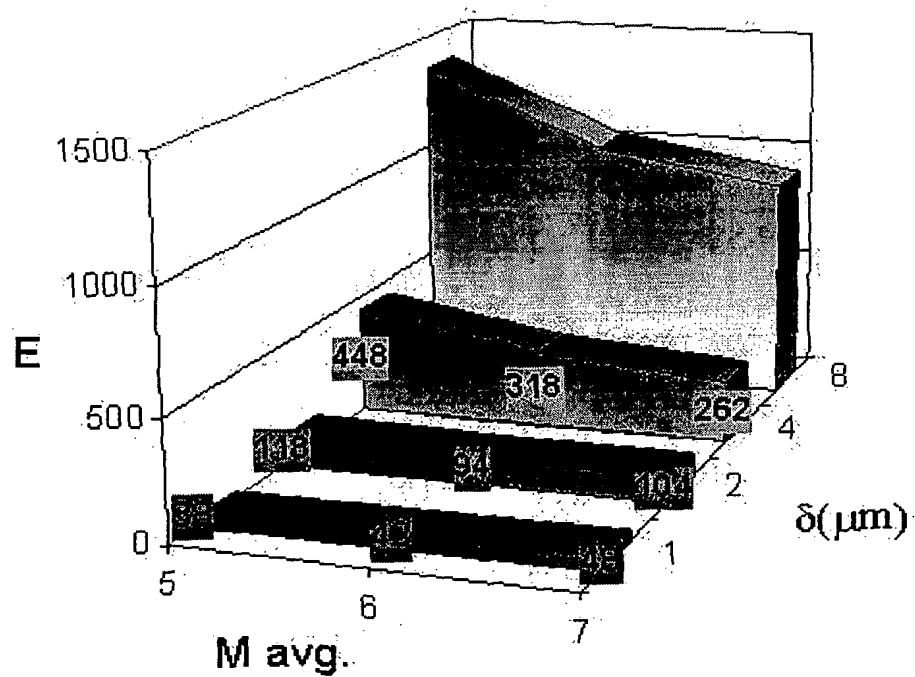
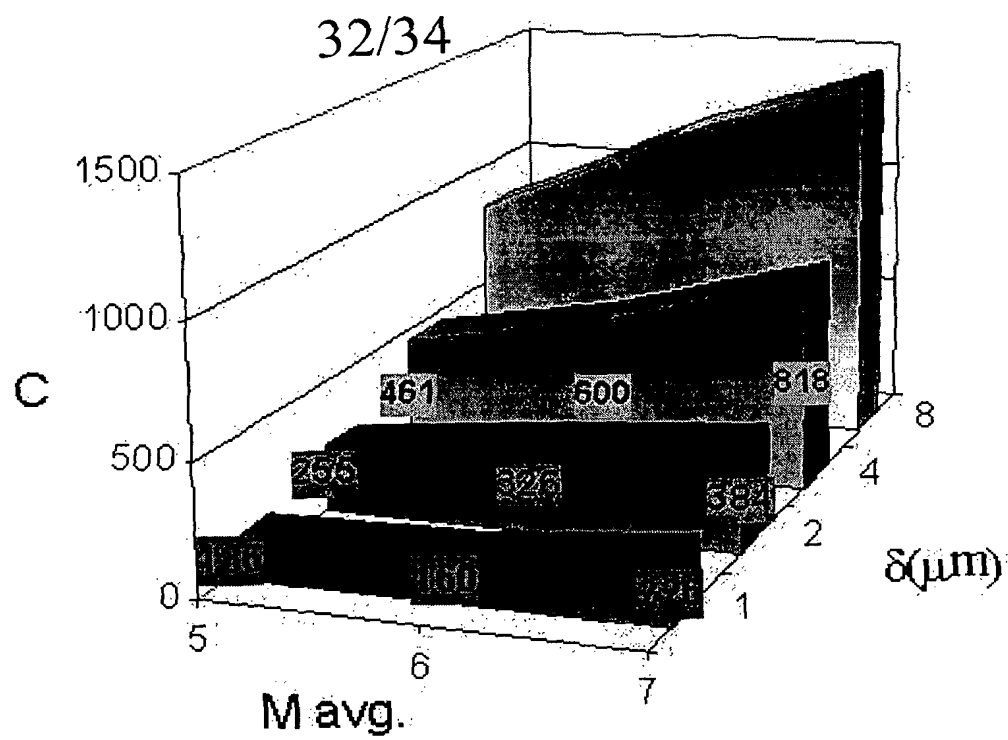


Fig. 19

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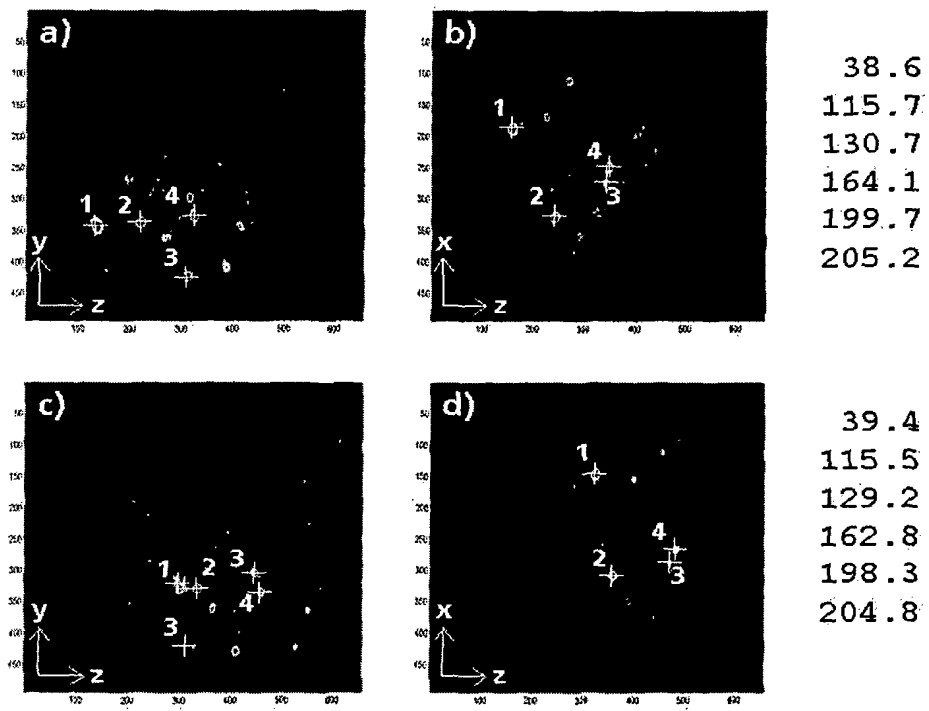


Fig. 20

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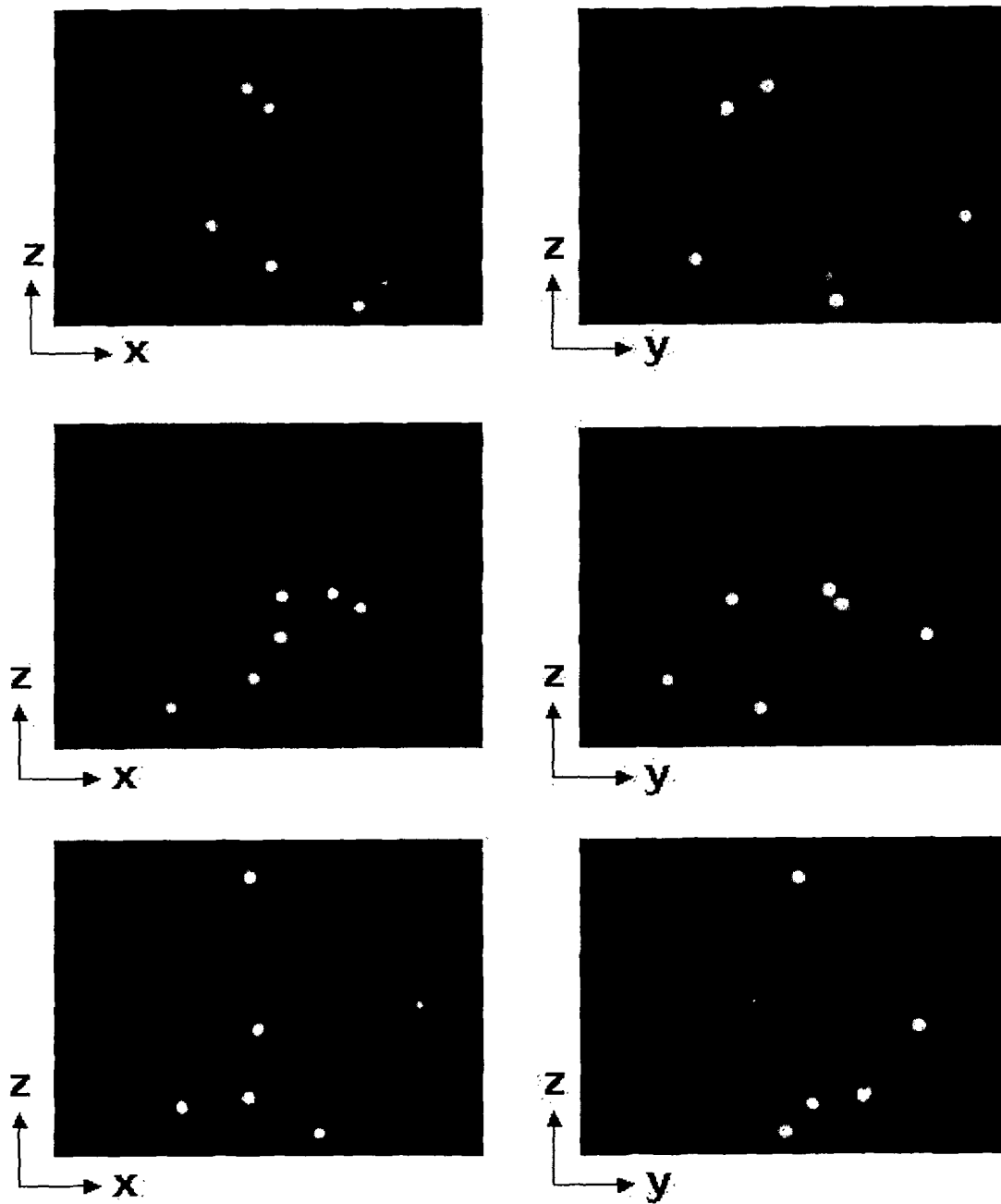


Fig. 21